AUTHOR INDEX

Arthritis and Rheumatism, Volume 52, Numbers 1-12, 2005

A

Abbas S. 2719 Abbate R. 3618 Abdollahi-Roodsaz S, 2313 Abe R. 2954 Abitbol V, 2882 Abraham DJ, 3772 Abu-Amer Y, 2719 Abu-Helu RF, 1517 Acampa M, 677 Accardo-Palumbo A, 2179 Adachi K. 2530 Adachi M. 1670 Adalimumab Effectiveness in Psoriatic Arthritis Trial (ADEPT) Study Group, 3279 Adam A, 2549 Adema GJ, 1381 Adlam M, 3192 Aeschlimann A, 1402 af Klint E, 61, 3439, 3880 Afif H. 94 Aganna E, 2906 Agelan A, 2549 Agle LMA, 225 Aguilar F, 354 Aguilar L, 2331 Aguilera S, 2751 Ahearn JM, 3087 Ahmad N, 3433 Aho K, 247 Ahonen J, 36 Aicher WK, 2010 Aigner T, 136, 468, 1100 Ainiala H. 674 Akikusa JD, 990, 2953 Akkoc N, 4048 Aksentijevich I, 1287 Akyerli CB, 1564, 3679 Alarcón GS, 1473, 1481, 1655, 2060 Alarcón-Riquelme ME, 363, 1058, 1138 Alarcón-Segovia D, 1138 Alard J-É, 4028 Albertsson K, 3360 Alcamí J, 354 Alcaraz MJ, 3230 Alessio M, 563 Aletaha D, 2625, 2975, 3333 Alexander D, 2010 Alfredsson L, 3676 Aliabadi P, 1418 Alizadeh BZ, 1437 Allaart CF, 3381 Allanore Y, 2882, 3792 Allen NB, 2168 Alliende C, 2751 Allison JJ, 2485 Alm GV, 1185 Almahrezi A, 3685

Alt KW, 3318

Amano E, 2790 Amano H, 2790 Amara A. 1504 Amara I, 1031 Amasaki Y, 2697 Ambrose CM, 2080 Ambrose K, 296, 3660 American College of Rheumatology Audiovisual Aids Subcommittee, 679 Amin MA, 1907 Amin S, 3152 Amirahmadi SF, 1897 Amos CI, 425, 1993, 3433 Amos N, 1287 Amoura Z, 608, 676, 2583 Amselem S, 1848, 3603 Anders S. 1711 Anderson-MacKenzie JM, 3100 Andersson U, 3880 Andrade F, 1160 Andréu J-L, 612, 2578 Andriacchi TP, 2835 Anelli MG, 2519 Ankylosing Spondylitis Study for the Evaluation of Recombinant Infliximab Therapy (ASSERT) Study Group, 582 Annovazzi A, 1224 Anract P, 171 Anthony KK, 1196 Anti-Tumor Necrosis Factor Trial in Rheumatoid Arthritis with Concomitant Therapy (ATTRACT) Study Group, 1020 Antoni C, 3403 Antoni CE, 1227 Antoniou J, 128 Apaz MT, 2873 Apparailly F, 1595 Appel H, 892, 2582 Appel LJ, 1843 Appenzeller S, 2783 Apte SS, 1451 Arabshahi B, 3563 Aranda R, 2263 Aranow C, 1481 Ardid D, 3470 Arend WP, 239 Argyle DA, 3079 Aries P, 4039 Arinuma Y, 847 Arita N. 959 Ärlestig L, 1665 Armstrong D, 2159 Arnett FC, 257, 865, 2433, 3305 Arning L, 4039 Arntz OJ, 2202

Artamonova V, 563

Altman RD, 2284

Asano Y, 1237, 2897 Asanuma Y, 1349, 3651 Ashany D, 225 Ashton BA, 2331 Askanase AD, 1341 Askling J, 1986 Asselah T, 2917 Atagunduz P, 892, 2582 Athreva BH, 2873 Atsumi T, 212, 2697 Attia N, 3718 Auger I, 3424 Aune T. 1047 Aurich M. 112 Avalos I, 3045, 3651 Avidor B, 3611 Aviv RI. 2159

B

Bachmann LM, 304 Back D, 670 Backhaus M, 733 Bacon PA, 2461 Badell IR, 2708 Bae SC. 1481 Baecklund E, 1986 Baeten D, 2146, 2192, 2323, 3898 Baethge BA, 1473 Baggott JE, 356, 1339 Bağişlar S, 1564, 3679 Bahram S, 608 Baildam E, 563 Bailey AJ, 3100 Bajnok É, 3269 Bako E, 2950 Bala M, 1020 Balandraud N, 3424 Balboni A, 1623 Baldissera E, 539 Ballman KV, 402, 412, 722, 3039 Balsa A, 219 Baltus B, 430 Bandeira M, 563, 3554 Baraf HSB, 1205 Baraliakos X, 1216, 2447 Bardin T, 1063 Barizzone N, 539 Baron G, 1858 Barone F, 1773 Barr S, 1481 Barrow KD, 1623 Bartoli M, 2092 Barton A, 752, 1694, 2579, 3596 Base de Datos de Productos Biológicos de la Sociedad Española de Reumatología (BIOBADASER) Group, 1766 Baskin KM, 3563 Baslund B, 2686

Bastacky S, 3975 Bastian HM, 1473, 1655, 2060 Bateman JF, 1461 Batliwalla F. 1952, 3813 Bau B, 136 Båve U, 1185 Becker A, 2485 Becker J-C, 2263 Becker MA, 916 Becker MD, 269 Beckley V, 744 Begovich AB, 2948 Béhier J-M, 1756 Bejarano V, 42 Belluoccio D, 1461 Bengoufa D. 1555 Bengtsson C, 3676 Bennink MB, 2202 Benoist C. 1866 Benseler SM, 2159 Berlin AA, 296 Bernatsky S, 1481 Bernit E. 1949 Bertilsson L, 1986 Bertolaccini ML, 3868 Better Anti-Rheumatic Farmacotherapy (BARFOT) Study Group, 3360 Beurskens FJM, 2686 Beuthien W, 1334 Bhattacharyya S, 1248 Bheekha-Escura R, 3202 Bianchi A, 759 Bica B, 2854 Bickels J. 3611 Bidwell JL, 675 Bieche I, 2917 Bierma-Zeinstra SMA, 787, 3137, 3520 Biesiadka J, 2581 Bigliardo B, 539 Bijkerk C, 1437 Bijlsma JWJ, 16, 1700, 3391 Bill J. 1885 Billingham MEJ, 3100 Bingham SJ, 42, 365 Birlik AM, 1564, 3679 Birmingham DJ, 2396 Biswas P, 3660 Bixler SA, 2080 Black CM, 3772 Blades MC, 1773 Blair A. 290 Blanco P, 201 Blanco R, 2226 Blanco-Gelaz MA, 275 Bley TA, 2470 Blinn CM, 2808 Blobel CP, 1100 Blum A, 3492 Boatright MD, 1336 Bocci EB, 3890

AUTHOR INDEX

Arthritis and Rheumatism, Volume 52, Numbers 1-12, 2005

A

Abbas S. 2719 Abbate R. 3618 Abdollahi-Roodsaz S, 2313 Abe R. 2954 Abitbol V, 2882 Abraham DJ, 3772 Abu-Amer Y, 2719 Abu-Helu RF, 1517 Acampa M, 677 Accardo-Palumbo A, 2179 Adachi K. 2530 Adachi M. 1670 Adalimumab Effectiveness in Psoriatic Arthritis Trial (ADEPT) Study Group, 3279 Adam A, 2549 Adema GJ, 1381 Adlam M, 3192 Aeschlimann A, 1402 af Klint E, 61, 3439, 3880 Afif H. 94 Aganna E, 2906 Agelan A, 2549 Agle LMA, 225 Aguilar F, 354 Aguilar L, 2331 Aguilera S, 2751 Ahearn JM, 3087 Ahmad N, 3433 Aho K, 247 Ahonen J, 36 Aicher WK, 2010 Aigner T, 136, 468, 1100 Ainiala H. 674 Akikusa JD, 990, 2953 Akkoc N, 4048 Aksentijevich I, 1287 Akverli CB, 1564, 3679 Alarcón GS, 1473, 1481, 1655, 2060 Alarcón-Riquelme ME, 363, 1058, 1138 Alarcón-Segovia D, 1138 Alard J-É, 4028 Albertsson K, 3360 Alcamí J, 354 Alcaraz MJ, 3230 Alessio M, 563 Aletaha D, 2625, 2975, 3333 Alexander D, 2010 Alfredsson L, 3676 Aliabadi P, 1418 Alizadeh BZ, 1437 Allaart CF, 3381 Allanore Y, 2882, 3792 Allen NB, 2168 Alliende C, 2751 Allison JJ, 2485 Alm GV, 1185 Almahrezi A, 3685

Alt KW, 3318

Amano E, 2790 Amano H, 2790 Amara A. 1504 Amara I, 1031 Amasaki Y, 2697 Ambrose CM, 2080 Ambrose K, 296, 3660 American College of Rheumatology Audiovisual Aids Subcommittee, 679 Amin MA, 1907 Amin S, 3152 Amirahmadi SF, 1897 Amos CI, 425, 1993, 3433 Amos N, 1287 Amoura Z, 608, 676, 2583 Amselem S, 1848, 3603 Anders S. 1711 Anderson-MacKenzie JM, 3100 Andersson U, 3880 Andrade F, 1160 Andréu J-L, 612, 2578 Andriacchi TP, 2835 Anelli MG, 2519 Ankylosing Spondylitis Study for the Evaluation of Recombinant Infliximab Therapy (ASSERT) Study Group, 582 Annovazzi A, 1224 Anract P, 171 Anthony KK, 1196 Anti-Tumor Necrosis Factor Trial in Rheumatoid Arthritis with Concomitant Therapy (ATTRACT) Study Group, 1020 Antoni C, 3403 Antoni CE, 1227 Antoniou J, 128 Apaz MT, 2873 Apparailly F, 1595 Appel H, 892, 2582 Appel LJ, 1843 Appenzeller S, 2783 Apte SS, 1451 Arabshahi B, 3563 Aranda R, 2263 Aranow C, 1481 Ardid D, 3470 Arend WP, 239 Argyle DA, 3079 Aries P, 4039 Arinuma Y, 847 Arita N. 959 Ärlestig L, 1665 Armstrong D, 2159 Arnett FC, 257, 865, 2433, 3305 Arning L, 4039 Arntz OJ, 2202

Artamonova V, 563

Altman RD, 2284

Asano Y, 1237, 2897 Asanuma Y, 1349, 3651 Ashany D, 225 Ashton BA, 2331 Askanase AD, 1341 Askling J, 1986 Asselah T, 2917 Atagunduz P, 892, 2582 Athreva BH, 2873 Atsumi T, 212, 2697 Attia N, 3718 Auger I, 3424 Aune T. 1047 Aurich M. 112 Avalos I, 3045, 3651 Avidor B, 3611 Aviv RI. 2159

B

Bachmann LM, 304 Back D, 670 Backhaus M, 733 Bacon PA, 2461 Badell IR, 2708 Bae SC. 1481 Baecklund E, 1986 Baeten D, 2146, 2192, 2323, 3898 Baethge BA, 1473 Baggott JE, 356, 1339 Bağişlar S, 1564, 3679 Bahram S, 608 Baildam E, 563 Bailey AJ, 3100 Bajnok É, 3269 Bako E, 2950 Bala M, 1020 Balandraud N, 3424 Balboni A, 1623 Baldissera E, 539 Ballman KV, 402, 412, 722, 3039 Balsa A, 219 Baltus B, 430 Bandeira M, 563, 3554 Baraf HSB, 1205 Baraliakos X, 1216, 2447 Bardin T, 1063 Barizzone N, 539 Baron G, 1858 Barone F, 1773 Barr S, 1481 Barrow KD, 1623 Bartoli M, 2092 Barton A, 752, 1694, 2579, 3596 Base de Datos de Productos Biológicos de la Sociedad Española de Reumatología (BIOBADASER) Group, 1766 Baskin KM, 3563 Baslund B, 2686

Bastacky S, 3975 Bastian HM, 1473, 1655, 2060 Bateman JF, 1461 Batliwalla F. 1952, 3813 Bau B, 136 Båve U, 1185 Becker A, 2485 Becker J-C, 2263 Becker MA, 916 Becker MD, 269 Beckley V, 744 Begovich AB, 2948 Béhier J-M, 1756 Bejarano V, 42 Belluoccio D, 1461 Bengoufa D. 1555 Bengtsson C, 3676 Bennink MB, 2202 Benoist C. 1866 Benseler SM, 2159 Berlin AA, 296 Bernatsky S, 1481 Bernit E. 1949 Bertilsson L, 1986 Bertolaccini ML, 3868 Better Anti-Rheumatic Farmacotherapy (BARFOT) Study Group, 3360 Beurskens FJM, 2686 Beuthien W, 1334 Bhattacharyya S, 1248 Bheekha-Escura R, 3202 Bianchi A, 759 Bica B, 2854 Bickels J. 3611 Bidwell JL, 675 Bieche I, 2917 Bierma-Zeinstra SMA, 787, 3137, 3520 Biesiadka J, 2581 Bigliardo B, 539 Bijkerk C, 1437 Bijlsma JWJ, 16, 1700, 3391 Bill J. 1885 Billingham MEJ, 3100 Bingham SJ, 42, 365 Birlik AM, 1564, 3679 Birmingham DJ, 2396 Biswas P, 3660 Bixler SA, 2080 Black CM, 3772 Blades MC, 1773 Blair A. 290 Blanco P, 201 Blanco R, 2226 Blanco-Gelaz MA, 275 Bley TA, 2470 Blinn CM, 2808 Blobel CP, 1100 Blum A, 3492 Boatright MD, 1336 Bocci EB, 3890

Bodzenta-Lukaszyk A, 3783 Boers M, 1642, 2865 Bohgaki T. 2697 Böhm BB, 1100 Boileau C, 488 Boily M. 488 Boivin JF, 1481 Boletis JN, 501, 4051 Bolon B, 1604, 3192 Bolstad AI, 1534 Bombardier C, 3813 Bombardieri M. 1773 Bommer J. 290 Bongartz T, 280 Böni T, 3318 Bony C, 1595 Boon C, 3918 Boonen A, 3360 Booth G, 3202 Boots AM, 770 Bootsma H, 2740 Borenstein D, 6 Boross P. 967 Böttcher J, 3850 Bottero P, 2926 Bottini N, 2396 Botto M, 1180 Boulukos KE, 2708 Bours V, 84, 3801 Boutron I, 1858 Bove KE, 3175 Bowes J, 752 Bowler R, 3479 Bowness P, 3586 Bowyer SL, 382, 1283, 3175 Boyault S. 759 Boyce BF, 2708 Boyle DL, 1876, 2693 Bozzola E, 826 Bradley JD, 2015 Brain SD, 3248 Brandt KD, 1343, 2015, 3160, 3349 Brandt L. 1986 Braun J, 386, 582, 1216, 2447, Breedveld FC, 1020, 1443, 1999, 2003, 2272, 2637, 3058, 3333, 3381, 3433 Brennan P, 1287, 2952 Brenner M, 322 Brentano F, 2656 Bridges SL Jr., 356 Brindle KA, 3682, 3712 British Society of Paediatric and Adolescent Rheumatology, 3548 Britti D, 940 Brodie TA, 1100 Brogan PA, 3168 Bronner F, 3110 Brooks M, 3220 Brown A, 27 Brown C, 27

Brown H, 1604, 3192

Brown-Bryan TA, 2133

Brown MA, 1110

Brucato A, 1623 Bruce B, 2645 Bruce IN, 670, 1694, 3596 Bruckel J, 386 Brucker PU, 3181 Bruehlmann P. 779 Brunet J, 488 Brunner E, 733 Brunner HI, 2607, 3175 Bruyn GAW, 3391 Bryer D, 42 Bryl E, 2996 Buch MH, 42, 365 Buchanan TS, 1418 Buck RJ, 3132 Buckley CD, 3460 Buckwalter KA, 2015 Bugatti S. 3448 Bultink IEM, 1334, 2044 Bünemann E. 1504 Bunn D. 2293 Buoncompagni A, 563, 2092 Burger J. 3318 Burgos-Vargas R, 2103 Burkhardt H, 1100 Burmester GR, 733, 1227 Bursch LS, 2376 Burstein D, 3528 Buyon JP, 1341, 1625, 3079, 3034 Buzio C, 2926

C

Cabane J, 1555, 3792 Cacoub P, 911, 2917 Caeiro F. 1138 Cahill AM, 3563 Cahue S. 2343, 3515 Caillat-Zucman S, 608 Cajander S, 1185 Calandra T, 3020 Çalgüneri M, 1564, 3679 Calin A, 1205, 1756 Cáliz R. 219 Calvo-Alén J, 1655, 2060 Cameron B, 3570 Camoin L, 1949 Camonis J, 1848 Campbell IK, 1461, 3220, 3749 Campbell PL, 3718 Campbell-Webster N, 3570 Cantaert T, 2323 Cantagrel A, 3424 Cantor RM, 2396 Canvin J, 1360 Cao Y, 1612 Caporali R, 3448 Cappelli M, 539 Caputi AP, 940, 1929, 3755 Carbone BD, 3479 Carbone LD, 1623 Cardiel MH, 1138 Carlsen H, 2202 Carlson CS, 2376 Carlton VEH, 2948 Carmagnat M, 1555

Carmona L. 1766

Carpentier P, 3792 Carr AJ, 1110, 3502 Carr DJJ, 1305 Carreira PE, 3015 Carreño L, 1766 Carson D, 3300 Carter RH, 3943 Carulli MT, 3772 Casciola-Rosen LA, 1160, 1824 Casebeer L, 2485 Casiano CA, 2133 Casper K. 1545 Castaneda JL, 2549 Castelli L, 539 Catrina AI, 61, 3880 Cauli A, 3319 Cavuto S, 2854 Cazeneuve C, 1848, 3603 Cecil DL, 144 Celebi-Paul L, 627 Celeste C, 181 Cendes F. 2783 Chaitow J, 2873 Challacombe SJ, 1773 Champigneulle J, 3492 Chan AT. 3586 Chan EKL, 3079 Chan T-M, 1058 Chandrasekhar P, 2584 Chang A, 2343, 3515 Chang J, 1824, 2366 Chang RW, 1274, 2343 Chang S, 659 Chao J, 1319 Chao L, 1319 Chapin JL, 2125 Chapman K, 3502 Chapman PT, 2222 Chariot A, 84 Charles HC, 3132 Charleston J, 1843 Charni N, 1081 Charron D, 1555 Chary-Valckenaere I, 3492 Chasan-Taber S, 290 Chatham W, 3943 Chatterjee S, 2415 Chaussade S, 2882 Chen C-J, 363 Chen C-Y, 1950 Chen G, 1248 Chen H, 2376 Chen M, 877 Chen PP, 4018 Chen S-Y, 339, 1319 Chen W, 3433 Chen Y, 1585 Chen Y-W, 1824 Cheng S, 94 Chernajovsky Y, 2906, 3829 Chertow GM, 290 Cheung KSC, 3110 Chiang B-L, 1626 Chiba A, 1941 Chichester CO, 1746 Chilla M. 856 Chimenti MS, 1224

Chiocchetti A, 539 Chiu B, 1297 Choi HK, 283 Choi MJ, 1843 Chokkalingam AP, 2948 Chomel A, 171 Chon Y, 592 Chou C-C, 627 Chouinard L, 1118 Chowdhry IA, 2403 Choy EHS, 3279 Christman GM, 2761 Chu CR, 3181 Chu JL, 225 Chubinskaya S, 468, 3910 Chung CP, 3045, 3651 Chung J, 592 Cicuttini FM, 461, 1069, 2033, 2830, 3918 Ciesielski CJ, 3300 Cimaz R, 2854, 2873 Cinelli M. 3618 Ciruelo E, 3015 Clancy M, 3152 Clancy RM, 1625, 3079, 3934 Clarke A, 1481 Clarke NMP, 3110 Clauw DJ, 296, 1577, 3660, 3670 Clave E, 1555 Clements PJ, 592 Clerget-Darpoux F, 1063 Clerson P, 3792 Clowse MEB, 514 Coari G, 1224 Coffman JE, 269 Cohen Tervaert JW, 2461 Cohen P, 3143 Cohen SB, 3030 Cohen Tervaert JW, 2461 Colbert RA, 382 Colby TV, 73 Cole AA, 112, 2376 Colman RW, 2549 Colmegna I, 4052 Colson F, 1411 Comaneshter D, 3611 Conaghan PG, 27, 672 Connolly MK, 592 Conrads TP, 902 Conrozier S, 1411 Conrozier T, 1411 Constantinescu F, 1622 Conti F. 1224 Cooley H, 1069 Cooper GS, 1148 Copel JA, 1341 Corace C, 2926 Corbin AE, 1264 Cornelis F, 1063 Corona F, 2873 Corr M, 1876, 2233, 2693, 3300 Corrigall V, 3829 Costallat LTL, 2783 Costedoat-Chalumeau N, 676, Costenbader K, 1628 Costenbader KH, 1341

Cuzzocrea S, 940, 1929, 3755

da Trindade Neto PB, 3073 Dahaghin S, 3520 Dahlberg L, 120, 3507 Dai S, 2719 Dalbeth N, 3678 Dale K. 833 D'Alfonso S, 539 Daneshpouy M, 1555 Dang D, 2133 Danieli MG, 539 Daniels T, 2133 Dannecker GE, 3606 Danneskiold-Samsoe B, 2686 Daoussis D, 1337 d'Arbonneau F. 2411 Datta SK, 659 David G, 2331 Davidson A, 522 Davies MJ, 2069 Davis C, 2026 Davis JC, 386, 902, 1216, 2168 Davis S, 461, 2033 Dawson L, 2984 Dayal N, 2343 D'Cruz DP, 841 de Benedetti F. 687 de Blas G, 612 de Craen AJM, 1443 de Groot K, 2461 de Groot PG, 1949 de Groote P, 3792 De Jager PL, 2396 De Keyser F, 2146, 2192, 2323, 3898 De La Cadena RA, 2549 de Majo M, 940

De Marco BM, 3682

de Maria R, 2179

de Pablo R, 219 De Rycke L, 2146, 2323, 3898 De Seny D, 3801 De Silva S, 333, 620 De Vathaire F, 779 de Vries RRP, 2212, 2637, 3058, 3433 de Vries-Bouwstra JK, 3381 De Wildt SC, 1437 Deane KD, 239 DeBusk LM, 1585 Del Papa N, 3890 del Rincón I, 3413 Del Rosso A, 3618 Del Rosso M, 3618 Delahaye A, 3603 Delano DL, 2567 Delle Monache F, 3890 Delpech M, 608 DeMarco PJ, 1622 Demircan K, 1451 Denton CP, 3772 Deocharan B, 2080 Derksen RHWM, 1949 Desai A. 2567 Desiati F, 548 D'Eustachio P, 2567 Deutsch R. 2693 Devauchelle-Pensec V, 2411 deVeber G. 2159 Devesa I, 3230 DeVita P, 2026 Dewitt EM, 3563 DeWoody K, 582 Dhabhar FS, 16 Diamond B, 2403 Dianzani U, 539 Dibbs ER. 2808 Dieppe PA, 1956, 3536 Dieu-Nosjean M-C, 1504 di Gaudio F, 2179 di Meglio P, 951 di Paola R, 940, 1929, 3755 Dijkmans B, 582 Dijkmans BAC, 1334, 2044, 2865, 3381 DiMicco MA, 2386 Dinarello CA, 1794, 1960 Ding C, 1069, 2033, 2830, 3918 Diot E, 3792 Direskeneli H, 2583 Distler JHW, 856, 3337 Distler O, 856, 1346, 3337, 3783 Dittmann A, 877 Djouad F, 1595 Dodé C, 608, 2583 Doherty M. 2040 Dombi GW, 2415 Dominick KL, 1424 Dong L, 651 Donn R, 1694, 3020, 3548 Donnelly E, 1585 Dooley MA, 1148, 1481 Dörner T, 2109 Dorrier C, 3030 Douay C, 1555

de Nanteuil G, 171

Dougados M, 386, 1205, 1756, 2263 Dowling B, 3502 Doyle TM, 269 Dragomir AD, 105 Drewe E, 2952 Drijfhout JW, 2645 Drvnda S. 2010 Du Clos TW, 642 Duffy C, 554 Duffy CM, 382 Dugué C, 4028 Dulos J, 770 Dunlop DD, 1274, 2343, 3515 Duquesnoy P, 1848 Durez P, 2263 **Dutch Juvenile Idiopathic** Arthritis Study Group, 2865 Dwivedi S. 1824 Dworkin RH, 1264 Dyrby CO, 2835

Ebeling PR, 461, 2033 Echols JD, 2323 Eckstein F, 3132 Edworthy S, 1481 Egawa H, 1371 Egeland T, 833 Ejbjerg BJ, 2300, 3860 Ek M, 3639 El-Gabalawy H, 1481 El-Kattan A, 488 Elashoff D, 2284, 3030 Elashoff R, 592 Elchalal U. 366 Elezoglou A, 2513 Elkon KB, 225, 378 Elliott AL, 105 Eloranta M-L, 1185 Elsaid KA, 1746 Elson CJ, 675 Emery P, 27, 42, 365, 672, 2263, 2355, 3030 Emminger W, 563 Endou H, 2576 Englert C, 1091 Engström M, 61, 3880 Ensworth S, 1481 Ephros M, 3611 Epplen JT, 4039 Escalante A, 3413 Eschalier A, 3470 Esdaile JM, 1360 Espada G, 2854, 2873 Espinola RG, 2120 Espinosa A, 3639 Espinoza LR, 4052 Etienne M, 3470 European Vasculitis Study Group, 2461 Eustace D, 916 Evelhoch JL, 3132

Fahmi H. 94 Falcini F, 563, 2854 Fall N. 3175 Falta MT, 1885 Fan Z, 136 Fantini F, 548 Farge D, 1555 Farrajota K, 94 Farwell L, 2396 Fatah R, 3829 Fatenejad S, 49 Favaro M, 1623 Favret H, 1411 Feghali-Bostwick CA, 3305 Feige U, 128, 1604, 3192 Feighery C, 2461 Feldman BM, 2607, 3570 Felici E, 826, 2092 Felson DT, 794, 1259, 1418, 2594, 2814, 3152, 3542 Feltelius N, 1986 Feng X, 3257 Fernández M, 1655, 2060 Fernandez P. 2567 Fernández-Luna JL, 2226 Fero M, 430 Ferrándiz ML, 3230 Ferrara D, 1545 Fertig N, 2425, 2439 Ferucci ED, 239 Fessler BJ, 592, 1473, 1655, 2060 Fibbi G, 3618 Fielding CA, 1287 Figdor CG, 1381 Figueroa M, 1766 Filer A, 3460 Fillet M. 3801 Fine MJ, 3143 Finnegan A, 1612 Finnish Rheumatoid Arthritis Combination Therapy (FIN-RACo) Trial Group, 36 Fiorillo MT, 3319 Firestein GS, 430, 1876 Fiselier TJW, 2865 Fisher SA, 358 Fitzcharles M-A, 3685 Fitzgerald AA, 1360, 1794 Fitzgerald JB, 2386 FitzGerald JD, 592, 2284, 4018 Flannelly J, 3479 Flatø B, 833, 2051 Flierman R, 2212 Flores-Borja F, 3955 Flory C, 488 Foeldvari I, 563 Fontalba A, 2226 Fontenot AP, 1885 Fored CM, 1986 Førre Ø, 833, 2051 Forsberg S, 36 Fortin PR, 1481 Fosang AJ, 1325, 1461

Fossati-Jimack L, 2790

Fraenkel L, 1259

Evre S, 752

Fragiadaki KG, 501 Francès C, 1785, 3792 Franchimont N. 84 François M. 759 Franke B, 3020 Franken-Kunkel P. 1504 Fransen J, 2616 Franssen MJAM, 2865 Fraser A. 27 Frasnelli M, 2227 Frassi M, 2926 Frauendorf E, 3318 Frederiks WM, 2003 Freeman A. 2485 Freeman GL, 3413 Frenkel B, 929 Frey D, 779 Friedman AW, 1473 Friedman DM, 1341, 3079 Friedrich S, 280 Fries JF, 2645 Fritz J, 733 Fritz V, 1595 Frøslie KF, 2051 Frostegård J, 192 Fu Y-X, 3202 Fuchs S. 810 Fujisawa A, 3579 Fujita S, 1522 Fukae J, 2697 Funck-Brentano C, 676 Furst DE, 592, 1020, 1227, 2284, 3030, 3873 Futani H, 2530

G

Gabel CA, 362 Gabriel SE, 402, 412, 722, 3039 Gál I, 3269 Gale DR, 794, 3152, 3542 Gale ME, 794 Galeazzi M, 539, 677 Galindo M, 354 Gamir ML, 2854 Garden OA, 1180 Gardner GC, 2225 Gardner L, 2331 Garg JP, 290 Garnero P, 1081, 2822 Gattinara M. 548 Gay RE, 856, 1402, 2010, 2248, 2656, 3315, 3783 Gay S, 856, 1402, 2010, 2248, 2656, 2960, 3315, 3337, 3783 Geborek P. 1986 Gebretsadik T, 3045 Geisser ME, 1577, 3660 Gelber AC, 1843 Genant HK, 2814 Gendreau RM, 3670 Genovese MC, 2645 Genovese T, 940, 1929, 3755 Genth E. 2433 George S, 1491 Georgiev M, 225 Gerards AH, 3381 Gerl M. 531

Gerl V, 531 Gerli R. 3890 Gerloni V, 548, 563, 2873 Gershwin ME, 1804 Geurts P. 3801 Geurts-Moespot A, 3020 Geusens P, 582 Geyeregger R, 2730 Gheorghe KR, 3439 Ghillani P, 676 Ghosh AK, 1248 Ghosh S, 951 Giacopelli F, 539 Giali S, 1337 Giannini EH, 2607, 3554 Giesecke T. 1577 Gil KM, 1196 Giladi M, 3611 Gilkeson GS, 1148 Gillet P, 3492 Gilliam AC, 1248 Gilliet M, 1504 Gimenez CR, 4052 Ginzler E, 1481 Giordano M, 539 Girard C. 1118 Girardi G, 2120 Giraudeau B, 1858 Girschick H, 2854 Giurea A, 1091 Giusti B, 3618 Gladman DD, 1227, 1481, 3279 Glant TT, 2452, 3269 Glass DN, 239 Glogauer M. 1297 Gluckman E, 1555 Glueck D. 3479 Goebel JC, 3492 Goekoop-Ruiterman YPM, 3381 Goggins J, 3542 Gogos H, 1337 Gold RH, 2284 Goldring MB, 1736 Goldsmith D, 554 Gombert M. 1504 Gomez-Camara A, 3015 Gómez-Reino JJ, 1766, 3015 Gomoll AH, 3681 González M-J. 2751 González N. 354 González S, 275 Gonzalez-Crespo MR, 3015 González-Escribano MF, 219 González-Gay MA, 219 Goodson NJ, 2293 Gordon C, 1481 Gordon TP, 2984, 3934 Goronzy JJ, 1392, 2996, 3839 Gosemann M, 2109 Gould DJ, 2906 Gow PJ, 2222 Gracely RH, 296, 1577, 3660, 3670 Gracie JA, 2686 Graham DSC, 2396

Graham KL, 1684

Graham TB, 3175

Grainger AJ, 2355 Grant E. 1360 Grasselli C, 2926 Grateau G, 608, 3603 Grava C. 1623 Green DR, 1876 Greene D, 1431 Greene RR, 3314 Greenstein A, 27 Greer W. 1993 Gregersen PK, 1952, 3433, 3813 Gregg P, 3536 Gregorini G, 2461, 2926 Gressin V. 3792 Griep EN, 3391 Griffiths CEM, 1694, 3596 Griffiths MM, 322 Grigoryan M, 3152 Grinblat B, 1333 Grinnell S, 80 Grodzinsky AJ, 2386 Grom AA, 3175 Gromnica-Ihle E, 3403 Groner KH, 3660 Gross WL, 2461, 4039 Grossman JM, 2396 Gruber P. 3318 Grumley JA, 358 Grundtman C, 3880 Grunke M, 451 Grupo Latinoamericano de Estudio del Lupus Eritematoso (GLADEL), Gu X, 425, 1993 Guermazi A, 2814, 3152 Guiducci S, 3618 Guilak F, 1632 Guillevin L, 3792, 4028 Guis S, 3424 Gül A, 1836, 2478 Gulko PS, 322 Guller U, 3928 Gunes-Ayata A, 697 Gunnarsson I, 192, 4050 Guo L, 620, 3202 Guo X, 257 Guo Y, 2541 Gutekunst DJ, 2026 Guthrie K, 2768

H

Haak W, 3318 Haapasaari J, 1621 Haas CS, 1907, 3718 Haas RW, 3413 Haavardsholm EA, 3860 Habata T, 3125 Hachulla E, 3792 Hafström I, 3360 Hahn BH, 2396, 2768, 4018 Haines GK III, 1907, 3718 Hakala M, 36, 1621 Hakimiyan A, 468 Hall FC, 3678 Hall FC, 3678 Hall P, 1325 Hall SK, 362 Hallegua DS, 386 Hamada D, 1371 Hamann J. 442 Hamm B, 733 Hammond L, 2906 Han C, 1020 Han KH, 3381 Han S, 333, 620, 3202 Han X, 3143 Handa R, 2584 Hanft G, 563 Hanly J, 1481 Hannonen P. 36 Hansen A, 2109 Hara M, 2947, 3054 Harada M. 3987 Harder J. 1736 Hardin JA, 668, 2403 Harlé JR, 1949 Härle P. 280, 1305 Harley JB, 3646, 3966 Harper J, 2873 Harris ED Jr., 3324 Harris EN, 1545 Harris HE, 3639 Harris RE, 3660, 3670 Harrison AA, 2222 Hasegawa H. 1522 Hasegawa M, 2889 Hashimoto J, 3819 Hassenpflug J, 1736 Hasson N. 3168 Hatipoglu OF, 1451 Hattori K, 3125 Haugen M, 833, 2051 Hawkins C, 1694, 2159 Hawkins D, 554 Hayashida K, 3004 Hayes K, 2343, 3515 Hazes JMW, 787, 3137, 3381, 3520 He X, 3731 Hebert LA, 2396 Heck LW, 2015 Heiberg MS, 2506 Heijnen CJ, 770 Heijnen H, 3479 Heike T. 3579 Heilbronner H, 3606 Heilbrunn KR, 1129 Hein G, 3850 Helders PJM, 368 Hellmich B, 4039 Helmick CG, 105 Helsen MM, 975 Helyes Z, 2955 Henderson WG, 3143 Henegar C, 1555 Herlihy VB, 3682 Hermann K-GA, 733 Hermansson Y, 61 Herzer P, 3403 Hidaka E. 155 Hider SL, 670

Hiepe F, 531

Hietaharju A, 674

Higgins GC, 3175

Higgins LD, 3928 Highton J, 2222 Hildebrand BA, 865 Hill CL, 794 Hinks A, 1694 Hirakata H, 3987 Hirakata M, 668, 1571 Hiramatsu N. 1037 Hirayama T, 2719 Hirohata S, 847, 1451, 1670 Hiromura K. 1037 Hitman GA, 2906 Hitt BA, 902 Hjelmervik TOR, 1534 Ho P, 752, 3596 Hobbs K, 987 Hochberg MC, 105, 1431 Hoffman E. 1824 Hoffman GS, 902, 2168 Hoffmann A, 2109 Hofman A, 1437 Hogarth PM, 3220 Hoggard P, 670 Holbrook JT, 2168 Holderbaum D, 3300 Holers VM, 239 Holman AJ, 2495 Holmdahl R, 1897, 2541, 3739 Holthuysen AEM, 967 Homey B, 1504 Homik JE, 1794 Hong YS, 2080 Horai R, 3731 Horizon AA, 4018 Hörkkö S, 192 Hörl WH, 2730 Horneff G, 2873 Hosoyamada M, 2576 Hospach T, 3606 Hostmann B. 531 Houwing-Duistermaat JJ, 1077, 1443 Howard P, 554 Hronowski LJJ, 2808 Hsu H-C, 3257 Hu JZ, 1129 Hu Y, 2553 Huang B, 3554 Huang G-S, 1950 Huang H-Y, 1843 Huber AM, 368 Huber LC, 3337 Hudelmaier M, 3132 Hudson LL, 1148 Hue S, 608 Hueber W, 2645 Hufford M, 3670 Hugenberg ST, 2015 Hughes AE, 2040 Hughes GRV, 841 Hui ACF, 2578 Huizinga TWJ, 430, 676, 1443, 1999, 2637, 2948, 3058, 3433 Hulot J-S, 676 Humbert M, 3792 Hunter DJ, 1418, 2814, 3152 Hunter JC, 2225

Hurley FL, 1129 Hurwitz D, 3515 Huston DP, 333, 620 Hutchinson D, 3675 Hutt J, 642 Huynen P, 84 Hwang K-K, 4018 Hyun P-M, 345

-)

lademarco MF, 2968 Ianaro A. 951 Iannone F, 2519 Ibrahim SA, 3143 Ichikawa K, 212 Ide H, 1670 Igawa T, 3987 Ihn H, 1237, 2897 likuni N, 4047 Ikari K, 2947, 3054 Ikeda K, 3079 Ikeda Y, 1571 Ikemura S, 1293 Ikeuchi H, 1037 Ikeuchi K, 3125 Ilie D, 1555 Iliopoulos A, 2513 Im H-J, 800, 2376, 3910 Imagawa T, 818 Imai T, 1392, 1522 Imoto-Egami M, 2133 Inada S, 1571 Inanc M, 2478 Indelicato M, 539 Ingraham K, 3771 Iniotaki A, 501 Inman RD, 885, 1297 Inoue A, 1522 Inoue H, 1371 Intensification et Autogreffe dans les Maladies Auto Immunes Résistantes (ISAMAIR) Study Group, 1555 International Myositis Assessment and Clinical Studies (IMACS) Group, 2607 Inui K. 637 Iobst W, 3771 Ionescu M, 885, 1118 Iovino F, 2179 Irigoyen P, 3813 Isenberg DA, 1171, 1481, 3955 Ishii KJ, 651 Ishimura M, 3125 Isobe K-i, 2559 Isomäki H, 1621 Isordia-Salas I, 2549 Isozaki T, 1670 Issazadeh-Navikas S, 3739 Itakura M, 1371 Ito MR, 1522 Ito S. 651 Iwakura Y, 3731 Iwamoto M, 2790

Iwamoto Y, 1293

Iwata N, 818 Izui S, 2790 Izzo NJ, 3181

J

Jackson MW, 3934 Jacobi A, 2109 Jacobs JWG, 3391 Jacobs KMG, 1700 Jacobsen S, 2300 Jacobsen SJ, 402, 412, 3039 Jacobsson LT, 369, 1986 Jagiello P, 4039 Jahangier ZN, 3391 Jain NB, 3928 Jakobsson P-J, 3439 James M, 1205 Jamin C. 4028 Jarret S. 27 Järvinen P. 36 Jasin HE, 80 Jawaheer D, 3433 Jav GD, 1746 Jayne DRW, 2461 Jereb J. 2968 Jéru I. 1848 Jiménez-Alonso J, 219 Jin L, 269, 865 Jin Y-T, 1319 Jingushi S, 1293 Jinks C, 2350 Jinnin M, 1237, 2897 Jodo S. 2697 Joh T, 1129 Johansson M. 1665 John S, 752, 1694, 3596 Johnen C, 531 Johnson B, 425, 1993 Johnson K, 1110 Jonassen I, 1534 Jones G, 1069, 2033, 2830, 3918 Jones PBB, 2222 Jongbloed S, 2686 Jonker M, 627 Jonsson R, 1534 Joos R. 563 Joosten LAB, 975, 2202, 2313, 3230, 3239 Jordan JM, 105, 1424, 2366 Jordan K, 2350 Jorgensen C, 1595 Jorgensen TN, 2080 Joronen K, 3713 Joseph L, 1481 Joseph-Ridge N, 916 Jou I-M. 339 Jourdan D, 3470 Jousse S, 4028 Jouzeau J-Y, 759 Joven B, 354 Juillet F, 1081 Julio M, 2751 Julkunen H, 2396 Jung K, 673 Jüngel A, 856, 3315 Jüni P, 304, 3536

Justiniano ME, 4052 Jüttner E, 2228 Juvenile Scleroderma Working Group of the Pediatric Rheumatology European Society (PRES), 2873

K

Kabouridis PS, 3955 Kahaleh B, 3618 Kahan A, 2882, 3792 Kahler E, 733 Kahler KH, 2366 Kaieda S. 1941 Kaihara K, 212 Kaiser WA, 3850 Kalden JR, 451, 856, 1020, 1227. Kaliyaperumal A, 659 Källberg H, 3676 Kalled SL, 2080 Kallenberg CGM, 2589, 2740 Kamali S, 2478 Kamatani N, 2576, 2947, 3054, 4047 Kambe N. 3579 Kameoka Y, 1670 Kamino K, 3629 Kamogawa J, 959 Kaneko Y, 1037 Kanzler H, 1504 Kao AH, 3087 Kao PN, 1684 Kaplan CD, 1612 Kaplan MJ, 697 Kappler J, 1885 Kapsogeorgou EK, 1517 Karasneh J, 1836 Karim Z, 27 Karlson EW, 1341 Karrer S, 280 Kary S, 3403 Kasahara M. 4047 Kasama T. 1670 Kasapcopur O, 2854 Kasapoglu E, 2478 Kasperkovitz PV, 430 Kastner DL, 3813 Katakura S, 818 Kataranovski M, 642 Katz BP, 2015, 3160 Katz JD, 3682, 3712 Katz JN, 1628, 3681, 3928 Katz PP, 2243 Katz SI, 707 Kauf TL, 2366 Kaufman KM, 3646, 3966 Kaufmann C, 2506 Kautiainen H, 36, 1009, 1621 Kavai M, 2950 Kavanaugh A, 1227, 2693 Kavelaars A, 770 Kave RD, 3563 Keeble J, 3248 Kekow J, 3403 Keller C, 3360

Kellermann T, 2581

Jury EC, 3955

Kelly JA, 3646 Keogh KA, 262 Kere J. 2396 Kern M, 3813 Kerstens PJSM, 3381 Keystone E, 425, 1227, 1993, 2975, 3873 Khamashta MA, 3868 Khan MA, 269, 1000, 4048 Khanna D, 592, 2284, 3030 Khokhar A, 929 Khoo S. 670 Khuri SF, 3143 Kidd BA, 2645 Kiel DP, 2814 Kilpatrick J, 3646 Kim B-S, 345 Kim DJ, 1341 Kim J, 2133 Kim K-S, 345 Kim KS, 2080 Kim MY, 1341 Kim S-H, 345 Kim T-H, 885, 1297 Kimberly R, 3943 Kimberly RP, 676 King L, 885 Kingsley GH, 358 Kiraz S, 1564, 3679 Kirkham B, 1227 Kirou KA, 1491 Kirwan JR, 673 Kishimoto T, 818 Kiss E. 2950 Kittas C, 2513 Kiviranta R, 3713 Klareskog L, 49, 61, 192, 991, 1986, 3439, 3676, 3880 Klavinskis LS, 3761 Klein R, 531 Klein TJ, 1091 Klinkhoff AV, 1360 Klinman DM, 651 Kloetzel P-M, 892 Kloppenburg M, 1077, 1443 Kniesch K, 3629 Knudson CB, 800 Knudson W. 800 Kobayashi H, 1585 Kobayashi M, 128 Kobayashi N, 164 Kobayashi T, 479 Koch AE, 710, 1907, 3718 Koch GG, 1031 Kodera M, 2889 Koenders MI, 975, 3239 Koes BW, 787, 3137, 3520 Kohno M, 1522 Koike T, 212, 637, 2697 Kokubun S, 3110 Kollnberger SD, 3586 Kolls JK, 967, 975, 3239 Komagata Y, 1920 Komiya S, 2666 Komura K, 2889 Kone-Paut I, 563

Koneru B, 2607

Kong EK-P, 1058 Kop EN, 442 Kop WJ, 296, 3660 Korkmaz C. 988 Korn JH, 1812 Korotkova M. 3439 Korpela M, 36 Koshino T, 164 Koss MN, 2080 Kostense PJ, 2044 Kostenuik P, 1604 Kotzin BL, 1885, 2080, 2790 Koufany M, 759 Koutroumanidis M, 841 Kowal C, 2403 Kowal K, 3783 Kowal-Bielecka O, 856, 3783 Kraan MC, 442 Kramer A, 3850 Kraus VB, 105, 1424, 1730, 2366, 2676, 3132 Kremer JM, 672, 2263 Kremers HM, 3039 Kreska D, 3063 Kressel BR, 3712 Kroon HM, 1443 Kruithof E, 2146, 2192, 2323, 3898 Kubitza R, 1504 Kuettner KE, 112, 468 Kuhn A, 877 Kuis W, 2865 Kunika K, 1371 Kuon W, 892 Kuroiwa T, 1037 Kusunoki T. 3579 Kuwahara M, 2947, 3054 Kuwana M, 668, 1571, 2425 Kvan NP, 3860 Kvien TK, 2506, 3860 Kwakkenbos MJ, 442 Kwan A, 1993 Kwoh CK, 3143 Kwon Y-J, 2751 Kyburz D, 2656 Kyo F, 2530

L

Labra C, 2751 Lacombe C, 3603 Lad B, 358 Lafeber FPJG, 1700, 3391 Laffitte E, 1785 Lafvatis R. 1812 Laghi-Pasini F, 677 Lally F, 3460 Lamb R, 3548 Lambert C, 84 Lambert NC, 2768 Lammi M, 3680 LaMoreaux LK, 1264 Lampa J, 61 Lampropoulos CE, 841 Landewé R, 49, 1756, 1979 Lane KA, 2015, 3160 Lane NE, 1431 Lane SE, 1620

Langer M, 2470 Langevitz P. 4011 Lapadula G, 2519, 3319 Larsson P, 2686 Larsson S, 3160 Lasbleiz S, 1063 Latchman DS, 1171 Lau C-S, 1058 Lau Y-L, 1058 Lauceviciute I, 1504 Launay D, 3792 Laurendeau I. 2917 LaValley MP, 2814, 3152, 3542 Laverty S, 181, 1118, 3680 Lavi I, 924 Lawlor KE, 3749 Laxer R. 2873 Laxer RM, 382, 990, 2103, 2159, 2953, 3570 Lazzarin P. 1623 Lazzerini PE, 677 le Pelletier F, 1785 Lechat P. 676 Lechler RI, 1180 Leclerc N, 929 LeClercq SA, 1794 Lee AT. 3813 Lee BJ, 2645 Lee C, 1491 Lee C-C, 1626 Lee C-H, 1950 Lee JH, 2386 Lee S-I, 345 Lee S-K, 345 Lee YH, 3966 Legendre M, 3603 Leger S, 3470 Lehman AJ, 1360 Lehmann G, 3850 Lehmann P, 1504 Leirisalo-Repo M. 36, 247 Lemaire I, 1063 Lemaire R, 1812 Lems WF, 1334, 2044, 3381 Lenhardt A, 563 Leonardou A, 1337 Lester MS, 865 Lesur C, 171 Leung E, 1180 Levine TD, 601 Levinson RD, 269 Levy BD, 3693 Levy Y, 4011 Lewek MD, 2845 Leyton C, 2751 Leyton L, 2751 L'Hoste S, 1848 Li J, 1431, 2541, 3063, 3701, 3975 Li L, 659 Li LM, 2783 Li T, 2263 Li W, 3813 Li X, 94 Li Z, 3210 Lian K, 1431

Lien G, 833, 2051 Liew FY. 2686 Lilleås FG, 3860 Lilleby V, 2051 Lim J-S, 345 Lima JAC, 2125 Limal N, 911 Limper AH, 73 Lin H-H, 442 Lin L, 984 Lin PC, 1585 Lin S-C, 363 Lin W-S, 4018 Lindblad S, 1986 Lingren CM, 2396 Linnik MD, 1129 Lionaki S, 501 Liossis S-NC, 1337 Liotta LA, 902 Lipsky PE, 1020, 2109 Listing J, 2447, 3403, 4049 Little CB, 1325, 1461 Liu B, 2549 Liu C-C, 3087 Liu J, 3257 Liu M-F. 1319 Liu S, 283 Liu X, 1993, 2120, 3943 Liu Y, 3063 Liu-Bryan R, 144, 2936 LJP 394 Investigator Consortium, 1129 Lo GH, 2814 Lobanok T, 885 Lockman S. 1341 Lockshin MD, 2243, 3683 Locksley RM, 1866 Loeser RF, 2376, 3910 Loeuille D, 3492 Lohmander LS, 3160 Lohse P, 3606 Loll B, 2581 López de Castro JA, 3290 López-Larrea C, 275 López-Nevot MA, 219 López-Vázquez A, 275 Loreau E. 2331 Lorenz HM, 856 Losina E. 1628 Loske K-D, 1334 Louca K, 1491 Loughlin J, 3502 Louis-Plence P, 1595 Love LA, 2433 Lovell DJ, 1283, 2854, 3175 Lövgren T, 1185 Low-Dose Prednisolone Therapy Study Group, 3371 Lu C-S, 4018 Lu L-M, 959 Lubberts E, 975, 3239 Luboshitzky R, 924 Lucas MR, 2439 Lui L-Y, 1418, 1431 Lum RF, 3433, 3813 Lundberg I, 1824 Lundberg IE, 192, 697

Lidove O. 911

Lunt M, 2277, 2293 Luo J, 269 Lupi E, 548 LUpus in MInorities NAture versus nurture (LUMINA) Study Group, 1473 Luqmani RA, 2168, 2461 Lurati A, 548 Luta G, 105 Lutteri L, 3801 Lyden AK, 296, 3660 Ly-Pen D, 612, 2578 Lysholm J, 1986

M

Ma KM, 3997 Maas K. 1047 MacDonald PA, 916 Machold KP, 2625 Mackay F, 2080 Mackay IR, 1897 Mackensen F, 269 Mader R. 924 Maeng PJ, 345 Magder LS, 514 Mageed RA, 3955 Maggiore U, 2926 Magi A, 3618 Magnani C, 539 Magni-Manzoni S, 826, 2092 Mahajan S, 2366 Mahowald ML, 312 Mainard D, 3492 Maini RN, 1020, 4045 Maisonobe T, 2917 Majeski P, 312 Majka DS, 239 Mak A, 3997 Makrygiannakis D, 3880 Maksymowych W, 386, 1993 Malaise M, 84, 3801 Malich A, 3850 Malvitz T, 3300 Maman E, 3611 Manfredi AA, 11 Manger B, 1227 Manheim LM, 1274 Manidakis I, 841 Mannarino E, 3890 Manno C, 2519 Manoussakis MN, 1517 Mansour K, 2740 Manzi S, 1481, 2015, 3087 Manzo A, 1773, 3448 Maradit-Kremers H. 402, 412, 722 Marambio P, 522 Marchesi S, 3890 Marchini M, 539

Marder W, 2761

Margheri F, 3618

Marinova E, 620, 3202

Marjanovic Z, 1555

Markind JE, 1205

Marks SD, 3168

Marnell LL, 642

Marier J-F, 181

Marolleau JP, 1555 Marrack P, 1885 Marson P, 1623 Martel-Pelletier J, 94, 479, 488 Martín J. 219 Martin MU, 2202 Martin SA, 1264 Martin TM, 269 Martinez RJ, 3718 Martínez-Borra J, 275 Martinez-Soria E, 2790 Martinez-Taboada VM, 2226 Martini A, 563, 687, 826, 2092, 2854 Martini G, 2873 Mason R, 3479 Massardo L, 1138 Massarotti E, 3813 Masutani K, 3987 Mathieu A, 3319 Mathieu P, 1411 Mathis D. 1866 Matsuda T. 2666 Matsui K, 2530 Matsunawa M, 1670 Matsushita K, 2666 Matsuura E, 212 Matsuyama T, 2666 Matteson EL, 73, 1621, 2996 Mattey DL, 3675 Matthias T, 3629 Matucci-Cerinic M, 856, 3618 May W, 3701 Mayes MD, 592, 865, 2125, 2415 Mazur-Zielinska H, 2873 Mazzon E, 940, 1929, 3755 Mazzuca SA, 2015, 3160, 3349 McCarthy GM, 3681 McCarthy T, 1481 McColl GJ, 3322 McCombie SW, 627 McCune WJ, 902, 2168, 2761 McDaniel GE, 1730, 2676 McDermott MF, 2906 McDougall JJ, 3210 McGibbon D, 2040 McGonagle D, 672, 2355 McGowan KB, 1091 McGrath H Jr., 3679 McGwin G Jr., 1473, 1655, 2060 McHale T, 3975 McInnes IB, 2686 McKenzie CA, 3528 McKenzie SE, 3220 McLain D, 2125 McLaughlin S, 3542 McLean L, 2222 McLean RR, 2814 McLean SA, 3660, 3670 McLennan CE, 2814 McLeod HL, 670 McMurray RW, 3701 McNulty AL, 2676 McQueen F, 744 Mease PJ, 1264, 3279 Medeiros Bezerra EL, 3073 Medsger TA Jr., 2425, 2433

Meeker CT, 1461 Meenagh GK, 2040 Meinecke I, 2010 Melian A, 1205 Meller S. 1504 Mellinghoff H-U, 1334 Meng H-C, 322 Mentlein R, 1736 Mentzel HJ, 3850 Merino R, 2854 Merkel PA, 902, 2168 Merriman ME, 2222 Merriman TR, 2222 Merville M-P. 84, 3801 Messier SP, 2026 METGO Study Group, 1360 Metzger AL, 4018 Metzger TE, 2080 Meulenbelt I, 675, 1077, 1437, 1443 Meuwis M-A, 3801 Mevorach D, 366 Mewar D, 3868 Meyer-Hoffert U, 1736 Michaud K, 3873 Michel BA, 779, 856, 1402, 2010, 3315, 3783 Michou L, 1063 Middleton J. 2331 Middleton S, 1604, 3192 Miehle N, 2228 Mielants H, 3898 Migliaresi S, 539 Mikecz K, 2452, 3269 Mikkelsen K, 2506 Milanesi O, 1623 Milenkovski G, 1325 Milewicz DM, 257, 865 Millán I, 612 Millecamps M, 3470 Miller ER III, 1843 Miller FW, 368, 2433, 2607 Miller ML, 679 Millett PJ, 3681 Mimori T, 668, 1571 Mimura Y, 1237, 2897 Min JL, 1077 Min Y-I, 2168 Minden K. 2854 Minisola G, 539 Miossec P, 2307 Mirakian RM, 2906 Misselwitz R, 2581 Mitsak M, 1824 Mittaz L, 1461 Miyachi Y, 3579 Miyake K, 3987 Miyake S, 1941 Miyamae T, 818 Miyamoto T, 1371 Miyasaka N, 3004 Miyazaki T, 959 Mizukami H. 164 Mizuki S. 959 Möbius D, 1305 Mohan C, 659, 3063 Mok CC, 2774, 3997

Mola EM, 1766 Mold C, 642 Molenaar ETH, 1334 Molina C. 2751 Molinaro C, 2133 Molitor J, 592, 1227 Moll T. 2790 Mollenhauer JA, 112 Möller B, 1665 Momigliano-Richiardi P, 539 Momohara S, 2947, 3054 Momot T, 3966 Monach P, 2645 Monk CR, 1180 Montecucco C, 3448 Montero D, 1766 Montesinos MC, 2567 Monti S, 2926 Moolenburgh JD, 3391 Moore DJ. 3868 Moquin L, 1118 Morand EF, 1325 Moreau J-F. 201 Morel L, 2080, 3063 Moreland LW, 2015, 2263 Morgan ME, 2212 Morgan PE, 2069 Morgan PR, 1773 Morgan SL, 356, 1339 Mori M, 818 Mori Y, 1248 Moritani M, 1371 Morko J. 3713 Moroldo MB, 239 Mosher D. 1993 Moskowitz RW, 3300 Möttönen T, 36 Mottram PL, 3220 Moulin D, 759 Mounier N, 1555 Mountz JD, 3257 Mousa A, 128 Moutereau S, 3603 Mouthon L, 3792 Moutsopoulos HM, 501, 1517, 4051 Mouy R, 563 Mowinckel P. 2506 Mubarak K, 592 Mudun A, 2478 Mueller RB, 451 Muià C. 1929, 3755 Mukamel M, 2854, 2873 Müller A. 1504 Müller GA, 733 Müller-Ladner U, 280, 856, 2010, 2960 Mundel P. 522 Mündermann A, 2835 Muneta T, 2521 Murabito JM, 1259 Musiej-Nowakowska E, 2873 Mustafa Z, 3502 Myers RR, 2495

N

Nabbe KCAM, 967 Nagai T, 847, 2666 Nagaraju K, 1824 Nagata K, 2530 Nagatani K, 1920 Nagayoshi R, 2666 Naito T, 479 Nakahata T, 3579 Nakajima T, 3839 Nakamura A, 479 Nakamura T, 2666, 2947, 3054 Nakamura Y, 155, 2559 Nakanishi K, 2530 Nakano K, 1676 Nakano S, 1371 Nakashima H. 3987 Nakashima Y, 1293 Nakata-Hizume M, 3579 Nakaya H. 155, 2559 Nakayamada S, 1676 Namjou B, 3646 Nandakumar KS, 1897, 3739 Nanki T, 3004 Narula SK, 627 Nash GB, 3460 Nath SK, 3646 Naumann H, 1711 Navratil JS, 3087 Nawata M, 155, 2559 Negishi M, 1670 Neidhart M, 2248, 3315 Nelissen RGHH, 1999 Nell VPK, 2625 Nelson JL, 2768 Netter P, 759, 3492 Neufing PJ, 3934 Neumann E, 2960 Neumann NJ, 1504 Neumann W. 2010 Nevitt MC, 1418, 1431, 1623, 3542 Newman B, 425, 1993, 3596 Nguyen LT, 1866 Niang S, 1785 Nicholas AP, 2323 Nicks M, 3479 Nicola PJ, 402, 412, 722, 3039 Nielsen S, 2873 Niiro H, 3987 Nikishina I, 563 Nikkari ST, 674 Ninomiya Y, 1451 Nishida K. 1451 Nishikawa T, 1571 Nishikomori R, 3579 Nishimoto N, 818 Nissim A, 3829 Niu J, 1418, 3152 Nived O. 1481 Nixon J, 2040 Njajou OT, 1437 Njobvu PD, 275 Nobles-Knight D, 1341 Noël D, 1595 Nogueira L, 3424 Noh T, 929

Nojima Y, 1037 Nomura K. 1371 Nordmark G, 1185 Nordvåg B-Y, 2506 Norkus EP, 1843 Norris JM, 239 Nose M, 959, 1522 Notoya K, 479 Novarini C, 826 Nowlan ML, 2952 Nozawa K, 3079 Nuamah IF, 2263 Nuñez-Roldan A, 219 Ny T, 2541 Nyberg F, 3639 Nyquist F, 120

0

Ochi T, 3819 Ocken SA, 810 O'Connor PJ, 27 Odai T. 1670 O'Daunt S, 987 Oddis CV, 1571, 2015, 2433, 2439, 2607 O'Donnell JL, 2222 Oeser A, 3045, 3651 O'Fallon WM, 3039 Ogawa N. 573 Ogden CA, 378 Ogilvie E, 3548 Ognenovski V, 2761 Ohmori K, 3579 Ohmura K. 1866 Ohno S. 800 Oishi H, 959 Okabe T, 2559 Okafuji I, 3579 Okamoto H, 4047 Okano Y, 2425 Okeke L, 1684 Oki S, 1941 Okuda K, 164 O'Leary DH, 3413 Olivieri AN, 2854 Olivieri I, 1756 Ollier WE, 1836 Olsen C, 296 Olsen NJ, 1047, 3323 Olsson LE, 120 Omar MA, 2366 Onda M, 2666 Ong VH, 3772 Ono M, 959 Oohashi T, 1451 Oostveen JCM, 2865 Oppers-Walgreen B, 975, 3239 Oreffo ROC, 3110 Orozco G, 219 Ortego-Centeno N, 219 Ory PA, 3279 Osabe D, 1371 O'Shea FD, 3681 Osorio J, 1063 Ospelt C, 2248, 3315 Østergaard M, 681, 2300, 3860 Ota S, 3570

Owen J, 425, 1993 Ozawa K, 164 Ozbalkan Z, 1564, 3679 Ozcelik T, 1564, 3679 Ozen S, 697, 2854 Ozen Z, 620, 3202 Özer HTC, 3679 Özer HTE, 1564 Ozumba D, 3928

P

Pablos JL, 354, 3015 Pachanov ED, 563 Pacheco FJ, 2133 Pacione C, 3910 Padyukov L, 3639, 3676 Page G, 2307 Paladini F, 3319 Palo WA, 916 Panayi G, 2686, 3761, 3829 Pandey JP, 1148, 2425 Pannu J. 1248 Pap G, 2010 Pap T, 1346, 2010 Papin S, 1848 Papucci L, 3618 Paran D, 3611 Park CC, 1907 Park GS, 2284, 3030 Park YW, 1392 Parker S, 3570 Parks CG, 1148 Parren PWHI, 2686 Parrish LA, 239 Pascual-Gómez E, 1766 Pascual-Salcedo D, 219 Pasewaldt D, 733 Passiu G, 3319 Passo M. 239 Pastoureau P, 171 Patel NSA, 940 Patey S, 3168 Patterson AM, 2331 Patti M, 2179 Paulsen F, 1736 Paulus HE, 2284, 3030 Pauzner R, 4011 Pavone L, 2926 Payne U, 885 Pease C, 2355 Pedersen R, 49 Pediatric Rheumatology Collaborative Study Group (PRCSG), 2854 Pediatric Rheumatology International Trials Organization (PRINTO), 563, Peerzada J, 1341 Pellegrin J-L, 201 Pelletier J-P, 94, 479, 488 Pelletier M, 3943 Peng SL, 984 Pennec Y-L, 2411 Perdok RJ, 3279 Pereira Vilar MJ, 3073 Pérez P, 2751

Perles Z, 366 Perrett D, 3829 Perry MJ, 675 Pers J-O, 2411 Peter HH, 2228 Peter S, 1804 Peterfy C, 2822 Petersen J, 2686 Petersen K, 1534 Petersen LJ, 2686 Peterson MGE, 1491 Petit-Teixeira E, 1063 Petrella A, 2179 Petri M. 514, 1341, 1481, 2774, 4003 Petricoin EF III, 902 Petrovitch A, 3850 Petty R, 554 Petzke FW, 1577 Pfeil A, 3850 Pham CTN, 2553 Pierangeli SS, 1545, 2120 Pierlot C, 1063 Pietenpol J, 1047 Pieterman E, 430 Pietrobon R, 3928 Piette J, 84, 3801 Piette J-C, 608, 676, 911, 1785, 2583, 2917, 4028 Pijpe J, 2740 Pilkington C, 3168 Pincus T, 1009, 1031, 3045, 3873, 4044 Ping L, 573 Pinter E, 3248 Pinzano-Watrin A, 3492 Piperno M, 1411 Pisetsky DS, 676, 3337 Pistorio A, 826, 2092, 2854 Pitard V, 201 Pitzalis C, 1773, 3448 Pixley RA, 2549 Plaas AHK, 181 Plone M, 290 Plotz PH, 1824, 2433 Poggi F, 3618 Poglitsch M, 2730 Pokorny V, 2222 Pols HAP, 787, 1077, 1437, 3137, 3520 Pons-Estel BA, 1138 Ponticos M, 3772 Pontikaki I, 548 Poole AR, 112, 128, 885, 1118, 3680 Pope J, 1481 Pope RM, 1907 Popovic K, 3639 Porras O, 2854 Porter AJ, 2768 Potter C, 2579 Pounds S, 865 Pourel J. 3492 Powell MS, 3220 Powell RJ, 2952

Power D, 3220

Praprotnik S, 369

Prasad PV, 3528 Pregabalin 1008-105 Study Group, 1264 Prelog M, 1804 Pretorius J. 1604 Prieur AM, 563 Priori R, 1224 Pritchard MA, 1461 Prokunina-Olsson L, 1058 Proud D, 3210 Proudfoot AEI, 1907 Prum B, 1063 Puéchal X, 1620 Pufe T, 1736 Pugliese-Sivo C, 627 Punzi L, 3319 Puolakka K, 36 Putterman C, 522, 2080

Q

Quasnichka HL, 3100 Quillet P, 1063 Quinn MA, 27

R

Raben N. 1824 Rabian C. 1555 Rachapalli S, 987 Radbruch A, 531 Radice A, 2926 Radstake TRDJ, 1381, 2313, 3020 Raggi P, 290, 3045 Rahman MA, 1171, 1481 Rahman P, 676 Rainger GE, 3460 Rajan R, 1481 Rajapakse VN, 902 Rajska BM, 269 Ramanan AV, 3570 Ramos-Remus C, 1205 Ramsey DK, 2845 Ramsey-Goldman R, 1481 Ranganath VK, 2284 Ranganathan P, 670 Ranger P, 94 Rantapää-Dahlqvist S. 1665. 1986 Raska K Jr., 2799 Rasmussen N, 2461 Rat A-C, 3492 Rathi OP, 2584 Rau R. 3371, 3403 Ravaud P, 1858 Ravazzolo R, 539 Ravelli A, 826, 2092, 2854, 3554 Rawat R, 1824 Raymond J, 2882 Reed AM, 2607 Reed SD, 2366 Reedquist KA, 2003 Reeve VM, 1371 Regan E, 3479 Reich K, 856 Reichenbach S, 304, 3536

Reicin AS, 1205

Reijman M, 787, 3137, 3520 Rein AJJT, 366 Reiner A, 112, 1118 Reisch N, 1402 Reiter K, 2109 Relic B. 84 Remans PHJ, 2003 Remarque E, 627 Remmers AE, 3132 Remmers EF, 322, 3813 Renner JB, 105, 1424 Reveille JD, 269, 865, 1473, 1655, 2060, 2433 Reviron D, 1949 Rewers M, 239 Reynolds PPM, 841 Rhee DK, 1746 Ribbens C, 84, 3801 Rider LG, 368, 2607 Rieker J. 1504 Riley P, 2854 Rioux JD, 2396 Ripley BJM, 1171 Ritchlin CT, 3279 Riyazi N, 1077, 1443 Roach HI, 3110 Roark CL, 1885 Roberson J, 1392 Robinson E, 744 Robinson WH, 2645 Rochon J. 1196 Rødevand E, 2506 Rodriguez W, 642 Rodríguez-Valverde V, 1766 Rodríguez-Valverde V. 49 Roelofs MF, 2313 Roger VL, 402, 412, 3039 Rogerson FM, 1461 Rojewska J, 3783 Romanus V, 1986 Ronday HK, 3381 Rondina JM, 2783 Rönnblom L, 1185 Rönnelid J, 1185 Roodenburg JLN, 2740 Roos EM, 3507 Ros J, 2854, 2873 Rose DM, 144, 2936 Roseman JM, 1473, 1655, 2060 Rosen A, 1160, 1824 Rosenbaum JT, 269 Rosendaal FR, 1443 Rosengren S, 1876 Rosholm A, 3850 Rosloniec EF, 1885 Ross S, 902 Rossi F, 2092 Rossi L, 3618 Rossum MAJ, 2865 Rotar Z, 369 Roth J. 3898 Roth MD, 592 Rothfield NF, 592 Roudier J, 3424 Rovere-Querini P, 11 Rovin BH, 2396 Rovis F, 1180

Rowbotham MC, 1264 Rowley MJ, 1897 Roy B, 1100 Rozzo SJ, 2790 Rubin LA, 425, 1993 Ruderman EM, 3279 Rudolph KS, 2845 Rudwaleit M. 1000 Rueger DC, 468 Ruffatti A, 1623 Ruffing MJ, 3087 Rühli FJ, 3318 Rumba I, 2854 Runstadler JA, 247 Ruperto N, 563, 2092, 2607. 2854, 2873 Russell F, 3248 Russell IJ, 1264 Russell RGG, 1110 Russo R, 287. Ruth JH, 1907 Rutkauskaite E. 2010 Ruzicka T, 877, 1504 Ryan M, 239 Rycke LD, 2192

S

Saadoun D, 911, 2917 Saag KG, 2485 Säämänen A-M, 3713 Sabatini M, 171 Sabbadini MG, 11, 539 Sadanaga A, 3987 Säemann MD, 2730 Saenger W, 2581 Sagawa K, 1920 Sah RL, 1091 Säilä H, 247 Sainz IM, 2549 Saito K, 1676 Saito M, 3579 Saito N, 155 Saito T, 164 Sakaguchi Y, 2521 Salmaso A, 548 Salminen-Mankonen H, 3713 Salmon J, 2120 Salvemini D, 1929, 3755 Sampalis J, 1118 Sánchez E, 219 Sanchez ML, 1655 Sánchez-Guerrero J, 1340 Sánchez-Olaso A, 612 Sanders M, 2003 Sandy JD, 181 Sano H. 2530 Sano K, 155 Santiago B, 354, 3015 Santiago-Raber M-L, 2790 Santos L, 1325 Sany J, 1595 Saraux A, 2411, 4028 Sardjono CT, 3220 Sarkar K, 2433 Sarraj B, 3269 Sartor RB, 2549 Saruhan-Direskeneli G, 2583

Sato EI, 3073 Sato K, 2666 Sato S, 668, 1571, 2889 Savion N. 4011 Savolainen A, 247 Sawai H, 1392 Saxne T. 1986 Scafe CR, 1371 Scaria PV. 1314 Scarpa R, 3319 Schäfer ML, 3850 Schanberg L, 554 Schanberg LE, 382, 1196 Schedel J, 2010 Scheel AK, 733 Scheidegger P. 1804 Scheinberg M, 1333 Schena FP, 2519 Schett G, 1604, 3192 Schiff MH, 364, 1205, 1337 Schiffelers RM, 1314 Schillaci G, 3890 Schlegelberger B, 3629 Schleinitz N, 1949 Schmidt D, 2470 Schmidt M, 1711, 1721 Schmidt RE, 3629, 3966 Schneider M, 3403 Schneider R, 2159, 3570 Schneider U, 1227 Schnitzer TJ, 2015 Schoenharting M, 2822 Schölmerich J, 1305, 1711, 1721 Scholze J. 2109 Schorr O, 2656 Schreuder GMT, 2637, 3058, 3433 Schrier D, 488 Schröder J-M, 1736 Schulman KA, 2366 Schulze-Koops H, 451 Schumacher BL, 1091 Schumacher HR, 269 Schumacher HR Jr., 916 Schumann F, 531 Schurr JR, 3239 Schuurman J, 2686 Schwarz EM, 2708 Schwarz R. 563 Schwarzenberger P, 3239 Scioscia C, 2519 Scleroderma Lung Study Group, Scofield RH, 3646 Scorza R, 539 Scott DGI, 1620, 2293 Scott F, 3918 Scott P. 2936 Sebastiani GD, 539 Sebbag M, 3424 Sebillaud S, 759 See Y, 2854 Seibold JR, 592 Seidl BE, 3850 Seith A, 2584 Seitz A, 280

Seki T, 155

Sekiya I. 2521 Seldin MF, 247, 3813 Selvaag AM, 833 Semanik P, 1274 Sen A, 3660, 3670 Sene D, 911 Senécal JL, 1481 Seo GS, 794 Seo P, 2168 Sereika SM, 2439 Serrati S, 3618 Serre G, 3424 Servin J, 2133 Sestak AL, 3966 Seto Y, 42 Settas L, 49 Severson RK, 2415 Seymour AB, 362, 1077 Sfikakis PP, 501, 2513, 4051 Sgonc R, 1804 Shachbazian Y, 563 Shah R, 2799 Shahrara S, 1907 Shankar S, 2584 Sharma L, 2015, 2343, 3515, 3528 Sharma R, 659 Sharma U, 1264 Sharp JT, 2284, 3279 Shaw J, 2331 Shaw JS, 3460 Shelley DM, 2355 Shen H, 1402 Shenkman B, 4011 Shergy W, 2263 Shiau A-L, 339 Shibaki A, 2954 Shieh D-B, 339 Shigeyama Y, 2010 Shih V, 1274 Shimaoka T, 3004 Shimizu S, 3987 Shimizu T, 2559 Shinohara S, 1371 Shinomiya F, 1371 Shintani AK, 3045 Shipley JM, 1812 Shir Y, 3685 Shiwen X, 3772 Shoenfeld Y, 2599, 3890, 4011 Shovali A, 366 Shuto T, 1293 Siambi V, 1337 Sibilia J, 2263, 3792 Sibley J, 1481 Siebert S, 1287, 2952 Siegel JN, 1637, 2968 Sieper J, 582, 892, 1000, 2447, 2582, 4049 Sierakowski S, 3783 Sigmund R, 563 Signore A, 1224 Silbert JE, 2808 Silman A, 1694, 2579, 3596 Silman AJ, 1836, 2277, 2293 Silver RM, 592, 2425

Silverman ED, 554, 2159, 3570

Silverman GJ, 371 Šimelyte E, 1876 Simianer S. 563 Siminovitch KA, 425, 1993 Simkin PA, 2257 Simkins HMA, 2222 Simmen BR, 1402 Simpson KM, 3030 Sims TJ, 3100 Singh JA, 312 Sinico RA, 2926 Sinsheimer JS, 3502 Skapenko A, 451 Skwara A, 810 Slagboom PE, 675, 1077, 1437, Slocombe RF, 3220 Sloëtjes AW, 967, 1381 Smeets RL, 2202 Smeets TJM, 430, 442, 2003 Smith AJP, 675 Smith E, 929, 3460 Smith JR, 269 Smith P, 2984 Smolen JS, 1020, 1227, 2625, 2730, 2975, 3333, 4045 Sneller MC, 1 Snyder-Mackler L, 2845 So A, 2227 Söder S, 468 Soeder S, 136 Sokka T, 1009, 3045 Solinger AM, 1283 Solomon DH, 1628, 1968 Somers EC, 2761 Sønderstrup G, 2645 Sonesson S-E, 366 Song J, 1274, 2343, 3515 Sont JK, 421, 2272 Sorrentino R, 3319 Sørskaar D, 833 Soussi F, 2882 Spachidou M, 1180 Specks U, 262, 902, 2168, 2237 Spettell CM, 2485 Spiegel L, 554, 3570 Spiera RF, 902, 2168 Spijkervet FKL, 2740 Sprong T, 2313 Sprott H, 856, 1402 Squires GR, 112, 128 Srikanth V, 1069 St. Pierre Y, 1481 Stabler TV, 105, 2676 Stacey M, 442 Stamm T, 2625 Stankovich J. 2830 Starr A. 3248 Stassi G, 2179 St.Clair EW, 902, 1148, 2168 Steen VD, 592, 3698 Steensma RW, 627 Steer S, 358 Stein CM, 1349, 3045, 3651 Steinfeld P, 3371 Steinfeld SD, 2263, 3279 Steinman JB, 1684

Steinsson K, 1481 Sterz MG, 592 Stevens AM, 2768 Stevenson AW, 3220 Stewart N. 744 Stivers DN, 865 Stohl W. 2080 Stolina M, 1604, 3192 Stone JH, 262, 902, 2168, 2243 Stone M, 885 Stone MA, 3460 Stone RA, 3143 Storm G, 1314 Stoyanova-Scholz M, 3403 Strand V, 554, 1129 Strangfeld A, 3403 Stratigos A, 2513 Straub RH, 16, 1305, 1711, 1721 Strauss BJG, 461 Stricker BHC, 3137 Stringer K, 3175 Strizki J, 627 Struglics A, 3160 Struharova S, 1721 Stuart JM, 3731 Stucki G, 779 Stuhlmüller B. 451 Stulnig TM, 2730 Sturfelt G, 1481 Sturgess AD, 2069 Sugai S, 573 Sugiyama N, 3987 Sunahara N. 2666 Susic G, 2854 Suter LG, 1259 Suwa A, 668, 1571 Svensson B, 3360, 3424 Svenungsson E. 192 Sweep FCGJ, 3020 Swen WAA, 3391 Swerlick R, 1545 Sydlaske A, 2936 Symmons DPM, 2277, 2293, 3596 Szabó Z, 2452 Szántó S, 2452, 3269 Szegedi G, 2950 Szekanecz Z, 2452 Szer J. 3322 Szkudlarek M, 681 Sztajnbok F, 2854 Szuwart T, 810

T

't Hart B, 627 Taccari E, 3319 Tada M, 637 Tagat JR, 627 Tak PP, 430, 442, 2003, 3676 Takagawa S, 1248 Takahashi N, 2202, 3819 Takakura Y, 3125 Takaoka K, 155, 637, 2559 Takata Y, 1371 Takehara K, 2889 Takaen T, 368 Tamaki K, 1237, 2897 Tan AL, 672, 2355 Tan FK, 257, 865, 3305 Tanaka Y, 1676, 3125 Tang SSK, 2774 Tanigami A, 155 Taniguchi A, 2576 Taniguchi K, 3004 Tanner SF, 2355 Tanzer M, 128 Tardif G. 488 Targoff IN, 2433 Tarlton JF, 3100 Tashkin DP, 592 Tateishi H. 2530 Taupin J-L, 201 Taurog JD, 3323 Taylor Z. 2968 Tazelaar HD, 73 Tchernitchko D, 3603 Teichtahl AJ, 461 Teige I, 3739 Tektonidou MG, 989 ten Cate R, 2865 Teng YKO, 2272 Tensho K, 2559 ter Borg E-J, 3391 Terada M, 1522, 2530 Terencio MC, 3230 Terkeltaub RA, 144, 1110, 2936 Terlain B, 759 Terris B, 2882 Teske GJD, 442 Tezenas du Montcel S, 1063 Thapliyal R, 1824 Theander E, 369 Theodore A, 592 Therneau TM, 3039 Thibault DL, 1684 Thiel A. 892 Thiemermann C, 940 Thomas M, 171 Thompson SD, 239 Thompson SJ, 3761 Thomsen HS, 2300 Thomson W, 1694, 3548 Thornton S, 3175 Tibesku CO, 810 Tiderius CJ, 120 Tiev KP, 3792 Tighe PJ, 2952 Tiku ML, 2799 Tilley S, 3110 Tillmann B, 1736 Timmer TCG, 430 Tindall EA, 1951, 2263 Tipping P, 1325 Tiraloche G, 1118 To CH, 2774, 3997, 4003 Tobin A, 2984 Todaro M, 2179 Todd I, 2952 Toes REM, 1999, 2212, 2637, 2948, 3058, 3433 Tolboom TCA, 1999 Toloza SMA, 2060

Toma LD, 2926

Tamarin I, 4011

Tomatsu T. 2947, 3054 Tomooka BH, 2645 Tomsic M, 369 Tonello M, 1623 Toonen LWJ, 1381 Torres B, 219 Torres DD, 2519 Torres L, 2343 Tosoni C, 2926 Totterman S, 794 Toubert A, 1555 Toubi E, 2599 Toussaint F. 3492 Towbin RB, 3563 Tran D, 3570 Tran HB, 3934 Tran K, 3479 Treadwell EL, 1148 Treschow AP, 3739 Trick D, 3629 Triolo G, 2179 Trojanowska M, 1248 Trollmo C, 61, 3439 Tsai C-S, 339 Tsao BP, 2396, 2768 Tse SML, 2103 Tsubaki T, 959 Tsuboi H, 3819 Tsubota A, 2954 Tsuji W, 1216 Tsujimura S, 1676 Tsutsui H, 2530 Tugal-Tutkun I, 2478 Tullus K, 3168 Tunyogi-Csapo M, 1612 Tuomilehto J, 247 Tuomilehto-Wolf E, 247 Turco MC, 2179 Turesson C, 73, 1621 Turner MD, 2906 Tutuncu Z, 1227, 2693 Tuzova M, 522 Tvede N, 2686 Tylee TS, 2768

U

Tyrrell PN, 2159, 3570

Uchanska-Ziegler B, 2581 Udagawa N, 3819 Uebelhart D, 779 Ueki K, 1037 Uesugi M, 164 Ugele B, 1721 Uhl M, 2470 Uhlig TA, 3860 Ulfgren A-K, 61, 3439, 3880 Ullman S, 2873 Ulrich-Bochsler S, 3318 Unno S, 479 Urano W, 2576 Urbanus RT, 1949 Urgancioglu M, 2478 Urowitz M, 1481 Utz PJ, 1684, 2645 Uziel Y, 2854

1

Vachon P. 181 Vail TP, 1730, 2366, 2676 Vaith P, 2470 Valesini G, 1224, 1773 Vallejo AN, 2996 Vallongo C, 2873 Vamvakopoulos J, 361 van Baarsen LGM, 430 van Damme M-P, 1897 van de Loo FAJ, 2202 van de Velde NC, 3220 van de Winkel JGJ, 2686 van den Berg WB, 967, 975 995, 1381, 2202, 2313, 3230, 3239 van den Bersselaar L, 975, 3239 Van den Bosch F, 2192, 3898 van den Hoogen FH, 2313 van den Hout WB, 2272 van der Heijde D, 49, 386, 582, 1020, 1205, 1756, 1979, 3360 van der Helm-van Mil AHM, 1999, 2637, 2948, 3058, 3433 van der Linden S, 1979 van der Net J. 368 van der Pouw Kraan TCTM, 430 van der Vleuten MAJ, 770 van der Voort R, 1381 van Duijn CM, 675, 1077, 1437 van Duivenvoorde LM, 2212 van Ewijk W, 2212 van Gaalen FA, 3058, 3433 van Groenendael JHLM, 3381 van Imhoff GW, 2740 van Krugten MV, 3381 van Laar JM, 421, 2003, 2212, 2272 van Lent PLEM, 967 van Lieshout AWT, 1381, 2313 van Luijk WHJ, 2865 van Oene M, 425, 1993 van Oosterhout M, 2003 van Riel PLCM, 995, 2616, 3020 van Rooijen N, 3749 van Roon JAG, 1700 van Schaardenburg D, 1443 van Soesbergen RM, 2865 van Suijlekom-Smit LWA, 2865 van Venrooij WJ, 2645 van Vollenhoven RF, 991 van Zeben D, 3381 Vandekerckhove B, 2323 Vandooren B, 2146 Varga J, 592, 1248 Varoga D, 1736 Varon D, 4011 Varon-Graidy M, 3611 Vassallo R, 73 Vaudo G, 3890 Vázquez MN, 3290 Vecchio F, 2926 Veenstra TD, 902 Vega-Ostertag M, 1545, 2120 Végvári A, 2452 Veit V. 1949

Venegoni E, 2926 Venhoff N, 2228 Venning H, 2854 Verbeek JS, 967, 1612 Verbeet NL, 430 Verburg RJ, 421, 2272 Vermeulen SHHM, 3020 Vernillet L, 916 Verpoort KN, 3058 Verweij CL, 430 Verweij MC, 1700 Vesely R, 2873 Vestergaard A. 2300 Veys EM, 2146, 2192, 2323, 3898 Viallard J-F, 201 Vidaud M, 2917 Vierboom MPM, 627 Vigklis V, 501 Vignon E, 779, 1411 Vignon M, 1411 Vilá LM, 1473, 1655, 2060 Villa AR, 1138 Villiger PM, 304 Vincent C, 3424 Vinje O, 833 Viola S, 826, 2092 Vissink A, 2740 Vitali C, 3890 Vitolo B, 3448 Vögelin E, 304 Vogt T, 280 Vokonas PS, 2808 Volkmer D. 2010 Vollenhoven Rv, 4050 von Hinueber U, 3403 von Kempis J, 1334 von Mikecz A, 877 Voskuvl AE, 2044 Vries Nd, 3676 Vuk-Pavlovic Z, 73 Vuorio E, 3713 Vyse TJ, 2396

w

Wade NK, 269 Wagenleiter SEN, 4039 Wahren-Herlenius M, 366, 3639 Waka A, 531 Wakitani S, 155, 2559 Waldhäusl W, 2730 Waldmann TA, 2585 Walker UA, 2228 Wallace CA, 3554 Wallace DJ, 1227, 2396, 4018 Wallis DD, 257, 865 Wanders A, 1756 Wang BWE, 1336 Wang C-R, 339, 1319 Wang ECY, 1287 Wang J, 1431 Wansley D, 620, 3202 Ward MM, 1634, 1646, 2625 Ward-Able C, 2125 Warman ML, 1746 Warnatz K, 2470 Warner JJP, 3681

Wassenberg S, 1227, 3371 Watson PF, 3868 Watt I. 3536 Watts RA, 1620 Weaver AL, 1205 Wechsler B, 608, 2583 Wedderburn LR, 3586 Wegener's Granulomatosis Etanercept Trial (WGET) Research Group, 902, 2168 Wehenkel L, 3801 Weiben O, 2470 Weidler C, 1711, 1721 Weier R, 1227 Weinberg CR, 2433 Weinberg MA, 3279 Weinstein E, 522 Weinstein M, 990, 2953 Weisman MH, 386, 1227, 3326, 3813, 4018 Weiss J. 3175 Weissman NW, 2485 Welsing PMJ, 2616, 3020 Wendler J. 451 Wener MH, 3433, 3813 Wenting-van Wijk M, 1700 Werwitzke S. 3629 Wesoly J, 2948 West MR, 620 Westedt ML, 3381 Western Consortium of Practicing Rheumatologists, 2284 Westfall AO, 2485 Westfall M, 1047 Westman M, 3439 Weyand CM, 73, 1392, 2996, 3839 White J. 42 Whittingham S, 1897 Wick G, 1804 Wicks IP, 3220, 3322, 3749 Wiehler S, 3210 Wientroub S, 3611 Wieringa H, 2865 Wiesner U, 1504 Wigley FM, 592, 2125 Wilder RL, 322 Wilder T, 2567 Wilke S. 2485 Wilkes MR, 2439 Williams A, 3528 Williams BD, 1287, 2952 Williams DA, 296, 1577, 3660, 3670 Williams S, 3536 Williamson P, 582 Wilson AG, 3868 Wiltshire T, 2567 Winoto A, 333 Winterberg F, 1504 Winthrop KL, 2968 Wintle RF, 425, 1993 Winyard PG, 3829 Wipff J. 2882 Wirth W, 3132

Witkowski JM, 2996

Witte T, 3629, 3966 Witter F, 514 Witteveen HJ, 2212 Witztum JL, 192 Wluka AE, 461, 2033 Wofsy D, 395 Wolbink GJ, 2740 Wolfe F. 2015, 3873 Wollina U. 2953 Wong PKK, 3749 Wong S-M, 2578 Wong WH-S, 1058 Woo P, 818, 2873, 3168 Woodard J, 105 Woodle MC, 1314 Woods AM, 3761 Woods JM, 1907 Wooley PH, 3761 Wordsworth BP, 1110 Worrell T, 1730 Worthington J, 752, 1694, 1836, 2579, 3596 Wortmann RL, 916 Wouters C. 2873 Wright GD, 2040 Wu C-L, 339, 1319 Wu H, 2396 Wu P, 892 Wu R, 192, 3890 Wu Y, 3257 Wulffraat NM, 2865 Wylam ME, 262

X

Xiao X, 3975 Xie C, 3063 Xie H-G, 1349 Xie S, 659 Xin K-Q, 164 Xing L, 2708 Xion M, 3305 Xu D, 2080 Xu J, 1314 Xu L, 1418 Xu X, 3257 Xue J, 1325 Xue S, 257

Y

Yagishita K, 2521 Yajima N, 1670 Yamada N, 3110 Yamamoto D, 212 Yamamoto H, 959 Yamamoto K, 847, 1920 Yamamoto T, 1293 Yamamura T, 1941 Yamanaka H, 2576, 2947, 3054 Yamanaka M, 2576 Yamanaka Y, 2719 Yamane K, 1237, 2897 Yamashita Y, 2697 Yammani RR, 2376 Yan A, 1794 Yan SD, 2376 Yanaba K. 2889 Yanagida T, 847 Yang H, 136 Yang P, 3257 Yang Y-H, 1626 Yang YH, 1325

Yao Z, 2708

Yarlett NC, 322 Yasuda S, 212, 2697 Yasui N, 1371 Yavuz S, 1564, 3679 Yazdanpanah M, 425, 1993 Yazici Y, 4044 Ye X, 3975 Yelin EH, 2243 Yeoman S, 744 Yocum DE, 2015 Yokoo N, 164 Yokota S, 818 Yonehara S, 3004 Yonezawa T, 1451 Yoshida K, 80 Yoshie O. 1522 Yoshikawa H, 2559, 3819 Yoshimoto M, 3579 Yoshioka T, 3579 Yoshizaki K, 818 Youinou P, 2411, 4028 Young H, 3596 Young JP Jr., 1264 Young-Min S, 3868 Yousaf N. 2906 Yow E, 1196 Ytterberg SR, 2168 Yu CY, 2396 Yu W, 1418

Z

Zack DJ, 1604, 3192 Zaim S, 2822 Zavedny PJ, 627 Zeidler H, 1756, 3371 Zerilli M, 2179 Zeyda M, 2730 Zha YY, 1907 Zhai G, 1069, 2830 Zhang C, 3210 Zhang G, 269 Zhang Q, 2708 Zhang X, 333, 620, 885, 1297, 3202, 3839 Zhang Y, 1110, 1418, 2814 Zhao H, 3943 Zhao Z, 522 Zhen B-G, 1637 Zheng B, 333, 620, 3202 Zhou F, 3731 Zhou T, 3943 Zhou X, 257, 865, 3305 Zhou Z, 2403 Zhu F, 1297 Zhu J, 3063 Zhu L, 1604, 3192 Zhu T, 3975 Ziegler A, 2581 Zink A, 3403 Ziprian T, 2109 Ziswiler H-R, 304 Zlabinger GJ, 2730 Zlotnik A, 1504 Zmuda JM, 1431 Zoma A, 1481 Zukor DJ, 128 Zulian F, 563, 2854, 2873 Zummer M, 1481 Zvaifler N. 2693 Zwinderman AH, 2865, 3381, 3676

SUBJECT INDEX

Arthritis & Rheumatism, Volume 52, Numbers 1-12, 2005

A

Abatacept (CTLA-4Ig), RA treatment with, 2229, 2263

Academic rheumatology, status of women in, 694, 697

Acetabular dysplasia, as predictor of hip OA, 787

Acinar cells, SS, acinar damage and MMP-3/TIMP-1 and MMP-9/ TIMP-1 imbalance and, 2751

Acquired immunodeficiency syndrome (AIDS), HLA-B*5703 in HIV infection and SpA, 275

Acrocyanosis, APS, dermatologic manifestations of, 1785

Acute anterior uveitis, unique genetic region on chromosome 9p and,

Acute myocardial infarction, COX-2 inhibitors and, 1968 Adalimumab

for POPP, 280

PsA treatment with, 3279

psoriasis onset during treatment, 2513

ADAM15, OA, metalloproteinase disintegrin ADAM15 and degenerative cartilage remodeling, 1100

Adamalysin, OA, metalloproteinase disintegrin ADAM15 and degenerative cartilage remodeling, 1100

ADAMTS-4, abnormal expression in OA chondrocytes and epigenetic "unsilencing," 3110

ADAMTS-9, induced by IL-1 β and TNF α in inflammatory arthritides, 1451

Adeno-associated virus

autologous transplantation of basic fibroblast growth factor genetransduced chondrocytes with, 164

collagen-induced arthritis, thrombospondin 1 gene therapy for, rat study, 339

RA, kallistatin gene therapy for, rat study, 1319

SLE, prevention and reversal by costimulatory blockade with adenoassociated virus-mediated gene transfer, 3975

Adjuvant-induced arthritis

bone-protective effects of anabolic treatment used with RANKL and TNF inhibition, rat studies, 1604

chemokine receptor expression in, 3718

electroporation to enhance MTX effect, 637

Met-RANTES, amelioration by, rat study, 1907

osteoclastogenesis, kinetics of, rat study, 3192

peripheral μ -opioid receptors as potential therapy targets, 2955 plasminogen deficiency of in different RA models, 2541

Adrenocorticotropic hormone (ACTH), in SLE, 3701

Adult-onset Still's disease, anakinra for treatment, 1794, 1960

African Americans, OA, serum hyaluronan levels as biomarker of radiographic OA, 105

Age

RA, age and OA at onset of symptoms, association with radiographic damage in, 2284

as risk factor for venous thrombosis in LUMINA study patients, 2060

Aggrecan, ADAMTS-1 in cartilage growth, development, and inflammatory arthritis, mouse study, 1461

Aggrecanases, ADAMTS-9 in inflammatory arthritides, 1451

Air-pouch model, MTX, genetic resistance to in air-pouch model of acute inflammation, 2567 Alendronate, TNF prevents alendronate-induced osteoclast death,

mouse study, 2708

α-Actinin, cross-reactive anti-dsDNA/anti-α-actinin antibodies and induction of renal disease, 522

Alveolitis, SSc, correlation of dyspnea with health-related quality of life in SSc with alveolitis, 592

American College of Rheumatology (ACR)

2004 Slide Competition winners, 679

ACR-N index of improvement in RA, con argument, 1642

ACR-N index of improvement in RA, pro argument, 1637 call for new RA classification criteria, 3333

continuous indices of core data set measures in clinical trials, 1031 decision tree format for RA classification evaluation over 5 years, 2277

presidential address, 395

5-Aminoimidazole-4-carboxamide, folic and folinic acid supplements and MTX treatment, 1338, 1339

Amyloidosis, reactive systemic AA amyloidosis, infliximab treatment, 2519

Anabolic agent, bone-protective effects of anabolic treatment used with RANKL and TNF inhibition, rat studies, 1604

for adult-onset Still's disease, 1794, 1960

for Moraxella catarrhalis-induced septic arthritis of prosthetic knee joint, 1337, 1338

neonatal-onset multisystem inflammatory disease, IL-1 blockade by improves symptoms, 1283

RA, infections in patients treated with biologic agents, 3403

RA, nonresponse to after failure of TNF blockade, 364, 365

Schnitzler syndrome treated with, 2226

Analgesics, spontaneous circadian behavior in monarthritic rats, 3470

APS, dermatologic manifestations of, 1785 in SLE with antiphospholipid antibodies, 2228

Angiogenesis

RA, bone destruction and, 1346

SSc, tissue kallikreins in endothelial cells, 3618

Angiography-negative primary CNS vasculitis, in children, 2159 Angiotensin receptor blockers, for amelioration of collagen-induced arthritis, mouse study, 1920, 3678, 4047

Animal models. See also names of specific animals

chronic arthritis, peripheral μ -opioid receptor expression down-regulated in, 3210

RA, RANK/RANKL/osteoprotegerin system in, 2960

ANKH gene, sporadic chondrocalcinosis, ANKH sequence variants and, 1110

OA, acoustic properties of knee and ankle joint cartilage, 3125 OA, matrix metabolism in cartilage lesions, 112

RA, leukocyte trafficking into ankle joint in mouse model, 3269

Ankylosing spondylitis (AS)

anterior uveitis, anti-TNF therapy decreases uveitis flares in, 2447 anterior uveitis, unique genetic region on chromosome 9p and, 269 cartilage biomarkers in, 885

diagnosis and classification of early AS, 1000

etanercept, MRI assessment of spinal inflammation before and after treatment, 1216

etoricoxib, efficacy in, 1205

HLA-B27, molecular evidence of in historical case, 3318

HLA-B27-restricted CD8+ T cell response to cartilage-derived peptides in, 892, 2581, 2582

HLA-B27 subtypes, cell surface properties of, 3290

infliximab efficacy and safety in, 582

measurement of treatment effect on spinal radiographic progression in, 1979

NSAIDs and, 1634

NSAIDs for reduction of radiographic progression, 1756 prevalence of, 4048, 4049

recommendations for clinical trials, 386

Ankylosing spondylitis (AS) (cont'd)

TNF blockers in, 2506

Ankylosing Spondylitis Study for the Evaluation of Recombinant Infliximab Therapy (ASSERT) Study Group, 582

Anterior cruciate ligament

cartilage glycosaminoglycan loss in acute phase of anterior cruciate ligament injury, gadolinium-enhanced MRI, 120

integrity of in knee OA, 794

laxity in early-stage knee OA, guinea pig study, 3100

Anterior uveitis

AS, anti-TNF therapy decreases anterior uveitis flares in, 2447 unique genetic region on chromosome 9p and, 269

Anteroposterior stability, OA, anteroposterior laxity and knee OA progression, 2343

Anti-ανβ5 antibody, SSc, TGFβ signaling and, 2897

Antiapoptotic proteins, NF-kB protection of T cells against CD95induced apoptosis up-regulating antiapoptotic proteins in Behçet's disease, 2179

Antibody-induced arthritis, V_a14 NKT cells in murine arthritis, 1941 Anticardiolipin antibodies, APS, tissue plasminogen activator, polyclonal and monoclonal antibodies against, 4018

Anti-CCP antibody-negative RA, HLA-DR3 associated with, 3058 Anti-CD20, for SLE, 371

Anti-citrullinated protein antibodies

RA, citrullinated proteins in humoral autoimmunity, 2323

RA, HLA-DR genes and production of, 3424

Anti-cyclic citrullinated peptide (anti-CCP) antibodies in JRA, 239

regulation in RA, 3813

Anti-DNA antibodies

cross-reactive anti-dsDNA/anti-α-actinin antibodies and induction of renal disease, 522

protective autoantibodies, homeostasis, clinical importance, and therapeutic potential, 2559

SLE, anti-dsDNA antibody levels and renal flare in, 1129

SLE, glomerulonephritis and, 2403

SLE, inhibition by IgM anti-dsDNA antibodies, mouse study, 3629 Antiferritin antibodies, RA, radiographic damage and, 3868

Anti-folate receptor β antibody, RA, targeting of synovial macrophages with anti-folate receptor β antibody and truncated Pseudomonas exotoxin, 2666

Antigen-induced arthritis, promotion of MTX induction and antiinflammatory effects by sonoporation, rabbit study, 2559

Antigen microarray profiling, of RA autoantibodies, 2645

Antigen-presenting cells, disruption of T cell/antigen-presenting cell interaction by teriflunomide, 2730

Anti-interleukin-6 receptor antibody, in JIA, 818 Anti-Ku autoantibodies, and DPB1*, 668

Antimicrobial peptides, OA, human β -defensin in tissue remodeling, mouse study, 1736

Antimuscarinic antibodies, in SS, 2984

Antineutrophil cytoplasmic antibodies (ANCAs)

Churg-Strauss syndrome, 2589, 2926

refractory ANCA-associated vasculitis, B lymphocyte depletion for, 262

rituximab and WG, B cells and vasculitis, 1

Antineutrophil cytoplasmic antibody-associated vasculitis, MTX vs. cyclophosphamide to induce remission, 2461

Antinuclear antibody (ANA), JIA and, 826

Anti-P antibodies, in SLE, 847

Antiphospholipid antibodies

anetoderma in SLE with, 2228

antiphospholipid antibody-mediated thrombophilia, complement activation and, mouse study, 2120

p38 MAPK and antiphospholipid antibody-induced up-regulation of tissue factor on HUVECs, 1545

Antiphospholipid syndrome (APS)

antiphospholipid antibodies in pathogenesis of, 988

dermatologic manifestations of, 1785

involvement of p38 MAPK in antiphospholipid antibody-induced up-regulation of tissue factor on HUVECs, 1545

lupus anticoagulant and prolonged bleeding time, 1949

psychiatric symptoms, electroencephalographic assessment, 841

thrombotic events in, 4011

tissue plasminogen activator, polyclonal and monoclonal antibodies against, 4018 valine²⁴⁷ β_2 -glycoprotein I and risk of APS, 212

Antiplatelet antibodies, lupus anticoagulant and prolonged bleeding time, 1949

Anti-RNA polymerase III antibody, ELISA for detection of, 2425 Anti-SSA/Ro antibodies

congenital heart block in family members of different generations, 1623, 1625

corrected QT interval in anti-SSA-positive adults with connective tissue disease, 676, 677

fetal heart block and, 366, 3079

maternal antibody specificity and fetal congenital heart block, 3079 up-regulation of 52-kd Ro/SSA by TNFα via TNF receptor I, 531

Antisynthetase-associated ILD, tacrolimus treatment, 2439

Anti-TNF

AS, anterior uveitis flares decreased by, 2447

Disease Activity Score as sole criterion for initiation and evaluation of anti-TNF therapy, 3873

Fcy receptor type IIIA polymorphisms and treatment outcomes with TNFα blockade, 2693

JIA, infliximab for, 548

juvenile SpA treated with, 2103

POPP, adalimumab treatment, 280

RA, etanercept and infliximab and apoptosis induction in joint macrophages, 61

RA, modulation of CD28 induced by, 2996

RA, tuberculosis risk and, 1986, 2968

Anti-type II collagen antibodies, arthritogenic capacity of, mouse study, 1897

Apoptosis

anti-endothelial cell antibodies in vasculitis-associated systemic autoimmune diseases, 4028

NF-kB protection of T cells against CD95-induced apoptosis upregulating antiapoptotic proteins in Behçet's disease, 2179

RA, anti-TNF therapy and induction of in joint macrophages, 61 RA, TP53 and apoptosis effects in, 1047

SS, Fas and CD40 in salivary epithelial cell death, 573

TNF prevents alendronate-induced osteoclast death, mouse study,

Apoptotic cells, exposure and binding of La/SSB epitopes on, 3934 Aromatase inhibitors, estrogen deprivation arthralgia and, 2594

Arterial disease, SLE, raised lipid peroxidase in associated with arterial disease, 192

Arthralgia, estrogen deprivation arthralgias, 2594

ADAMTS-1 in cartilage growth, development, and inflammatory arthritis, mouse study, 1461

ADAMTS-9 induced by IL-1 β and TNF α in inflammatory arthritides, 1451

adaptive immunity in p53 regulation of arthritis, mouse study, 1876 IL-4 promotion of, mouse study, 1866

nomenclature and classification in chronic childhood arthritis, 382 protease-activated receptor, role in arthritis severity in mice, 1325 Arthritis & Rheumatism (A&R)

in appreciation of editor David S. Pisetsky, 1627 introducing new editor Michael D. Lockshin, 1951

new journal policy regarding registration of clinical trials, 2243 policies and procedures for A&R, 3683

Arthritis & Rheumatism (A&R) (cont'd) review of manuscripts, 915, 1332

Arthropathy

arthropathy-accelerating MRL locus in DBA/1 mice, 959 cat-scratch disease-associated arthropathy, 3611 hereditary cartilage debonding syndrome, 3300

Arthroplasty

OA, surgical outcomes following knee or hip arthroplasty, racial/ ethnic differences and, 3143

trends in total knee arthroplasty in US 1990-2000, 3928

Ascorbic acid, dehydroascorbate transport in human chondrocytes,

ASPN gene, asporin polymorphism and OA etiology, 3502 Asporin, polymorphism and OA etiology, 3502

ASsessment in Ankylosing Spondylitis, International Working Group/ Spondylitis Association of America recommendations for clinical trials, 386

Assessment instruments

Childhood Myositis Assessment Scale, validation and clinical significance of, 368

JIA, development and validation of clinical index for, 2092

JIA, Dijkstra score for assessment of radiographic change, 2865

Atherosclerosis in RA, 3045

relative contribution of cardiovascular risk factors and RA to, 3413 SS, precocious intima-media thickening in SS patients, 3890

ATTRACT study, RA, infliximab plus MTX, benefit in patients without clinical improvement, 1020, 4044, 4045

Autoantibodies. See also names of specific autoantibodies

protective autoantibodies: homeostasis, clinical importance, and therapeutic potential, 2599

RA, antigen microarray profiling of, 2645

SLE, autoantibody clustering to predict clinical subsets and damage,

that bind glomeruli, 2403

Autoantigens, SSc, proteasome-dependent processing of topoisomerase I. 877

Autoimmune diseases. See also names of specific diseases

familial aggregation of autoimmune diseases in SLE patients, 1138 Autoimmune thyroid disease, SLE/autoimmune thyroid disease susceptibility gene at 5q14.3-15, 3646

Autoimmunity, dendritic cells and, 11

Autologous chondrocyte transplantation, of basic fibroblast growth factor gene-transduced chondrocytes with adeno-associated virus vector, rabbit study, 164

Autologous stem cell transplantation (ASCT)

RA, effect of ASCT and high-dose chemotherapy on joint damage,

RA, high-dose chemotherapy followed by autologous hematopoietic stem cell transplantation, long-term followup of health status,

SSc, immune reconstitution following, 1555 Axial SpA, AS, diagnosis and classification, 1000

Backcross studies, SLE, genetic origin of in SWR/NZB hybrids, 659 Back pain, opioid use for, 312

Bacteria. See names of specific bacteria

Bacterial antigens, autoantibodies that bind glomeruli, 2403

BAFF receptor, expression and occupancy of in SLE, 3943

Barrett's esophagus, in SSc, 2882

Bartonella henselae, cat-scratch disease-associated arthropathy, 3611

Basic calcium phosphate crystals, rotator cuff disorders, 3681

Basic fibroblast growth factor

autologous transplantation of basic fibroblast growth factor genetransduced chondrocytes with adeno-associated virus vector, rabbit study, 164

Basic fibroblast growth factor (cont'd)

and chondrocyte anabolic activity promoted by insulin-like growth factor 1 and osteogenic protein 1, 3910

B cell-activating factor (BAFF)

expression and occupancy of BAFF receptors in SLE, 3943 overexpression of and accelerated glomerular disease in mice predisposed to SLE, 2080

and periodontal disease in patients with dry mouth, 2411

B cells

lupus nephritis, therapeutic B cell depletion therapy, 501, 4080, 4081 SLE, Lyn expression, 3955

SS, chemokine receptor expression and function by, 2109

SSc, immune reconstitution following ASCT, 1555

WG treated with rituximab and ANCA-associated vasculitis, 1 Behçet's disease

infliximab in treatment-resistant Behçet's uveitis, 2478

NF-κB in pathogenesis of, 2179

TNFRSF1A R92Q mutation and risk of venous thrombosis in, 608, 2582

whole-genome screen for susceptibility genes in, 1836

BeSt study, 3326, 3381

Biomarkers

AS, cartilage biomarkers, 885

clinically amyopathic dermatomyositis, anti-CADM-140 in Japanese

congenital heart block, PR interval as, 1341, 1342

OA and early RA, type II collagen helical peptide in, 1081

OA, of lipid peroxidation in OA cartilage, 2799

OA, MMP-3 as biomarker of OA progression, 3160

OA, serum hyaluronan levels as biomarker of radiographic OA, 105 pulmonary fibrosis in SSc, serum pulmonary and activationregulated chemokine/CCL18 levels in, 2889

RA, RANK/RANKL system in inflammation, 2307

RA, using surface-enhanced laser desorption/ionization time-offlight mass spectrometry-based protein chip approach, 3801

SLE, C4d-bearing reticulocytes as disease activity markers, 3087 SLE/autoimmune thyroid disease susceptibility gene at 5q14.3-15,

WG, serum proteomic profiling to gauge state of remission, 902 Bisphosphonates

OA, vitamin D supplementation and, 1622, 1623

TNF prevents alendronate-induced osteoclast death, mouse study,

Bleeding, lupus anticoagulant and prolonged bleeding time, 1949 Blood sampling, SLE, MMP-9 in patients with neuropsychiatric SLE and brain MRI abnormalities, 673, 674

B lymphocyte depletion

for refractory ANCA-associated vasculitis, 262

in refractory childhood SLE, 3168

Body composition, and knee cartilage volume in healthy subjects, 461 Body weight, weight loss and reduction of knee-joint load in knee OA in older obese adults, 2026

bone-protective effects of anabolic treatment used with RANKL and TNF inhibition, rat studies, 1604

Egr2/Krox20 in dexamethasone-mediated osteocalcin repression, mouse study, 929

kinetics of osteoclastogenesis, rat study, 3192

OA, local BMD associated with bone marrow lesions, 2814

OA, MRI bone marrow abnormalities and cartilage degradation in knee OA, 2822

POPP, 280, 2954

RA, angiogenesis and bone destruction, 1346

RA, RANK/RANKL/osteoprotegerin system: animal studies, 2960

RA, subchondral bone marrow and, 3448

SLE, osteopenia in childhood-onset SLE, 2051

SLE, vertebral fractures in SLE patients and low BMD, 2044

Bone (cont'd)

subchondral femoral head insufficiency fracture after renal transplantation, 1293

Bone anabolic agent, bone-protective effects of anabolic treatment used with RANKL and TNF inhibition, rat studies, 1604

one destruction

gene therapy targeting Tie2 attenuates collagen-induced arthritis, 1585

OA, MRI bone marrow abnormalities and cartilage degradation in knee OA, 2822

RA, angiogenesis and, 1346

RA, RANK/RANKL/osteoprotegerin system, animal studies, 2960 TNF prevents alendronate-induced osteoclast death, mouse study, 2708

Bone erosion, STAT-6-VT inhibition of osteoclastogenesis and bone erosion, mouse study, 2719

Bone loss

OA, bone loss on knee radiographs, 3536 RA, nurse-like cells from RA patients and, 3819

Bone marrow

OA, BMD associated with bone marrow lesions, 2814

OA, MRI bone marrow abnormalities and cartilage degradation in knee OA, 2822

RA, subchondral bone marrow and, 3448

Bone mass, in children with early JIA, 833

Bone mineral content, osteopenia in childhood-onset SLE, 2051 Bone mineral density (BMD)

OA, local BMD associated with bone marrow lesions, 2814

SLE, osteopenia in childhood-onset SLE, 2051

SLE, raloxifene for postmenopausal women with SLE, 3997

SLE, vertebral fractures and low BMD, 2044

Bone morphogenetic protein 2, for tissue engineering in cartilage repair, 155

Bone turnover, in children with early JIA, 833

Boundary lubrication, synovial fluid boundary lubrication following injury, rabbit study, 1746

Bovine studies

hyaluronan oligosaccharide-induced activation of transcription factors in bovine articular chondrocytes, 800

tonic activation of hypoxia-inducible factor 1α in avascular articular cartilage, 3181

Brain

APS and SLE, electroencephalographic assessment of neuropsychiatric symptoms in, 841

SLE, cerebral and corpus callosum atrophy in, 2783

SLE, MMP-9 in patients with neuropsychiatric SLE and brain MRI abnormalities, 673, 674

Brn-3, expression in SLE, 1171

Butyrate, regulation of TNFα production by in RA synoviocytes, 2697

C

C4d-bearing reticulocytes, as SLE disease activity markers, 3087

CADM-140, anti-CADM-140 in Japanese with clinically amyopathic dermatomyositis, 1571

Calcium-based phosphate binders, reduction in serum uric acid with, 290

Canadian population, association of PTPN22 variant with RA in, 1993

dysphagia after testicular cancer, 3712

in SLE, 1481

SSc, Barrett's esophagus in, 2882 SSc, risk of malignancy and, 2415

CARD15, PsA, common genetic control pathways of inflammation for Crohn's disease and PsA, 3596

Cardiovascular disease

anti-SSA-positive adults with connective tissue disease, corrected QT interval in, 676, 677

Cardiovascular disease (cont'd)

atherosclerosis, relative contribution of cardiovascular risk factors and RA to, 3413

inflammatory polyarthritis, baseline C-reactive protein levels and prediction of death from, 2293

RA, cardiovascular death in, 722

RA, increased coronary-artery atherosclerosis in, 3045

RA, increased unrecognized coronary heart disease and sudden death in, 402

RA, risk of heart failure in, 412, 3039

SLE, raised lipid peroxidase in associated with arterial disease, 192 SLE, thromboembolism in, risk factors and incidence, 2774

Cardiovascular events, COX-2 inhibitors and, 1968

Carpal tunnel syndrome

surgery vs. steroid injection in, 612, 2578

value of sonography in patients with suspected carpal tunnel syndrome, 304

Cartilage

ADAMTS-1 in cartilage growth, development, and inflammatory arthritis, mouse study, 1461

anterior cruciate ligament injury, glycosaminoglycan loss in acute phase, gadolinium-enhanced MRI, 120

AS, cartilage biomarkers in, 885

AS, HLA-B27-restricted CD8+ T cell response to cartilage-derived peptides in, 892, 2581, 2582

body composition and knee cartilage volume in healthy subjects, 461 bone morphogenetic protein 2 for tissue engineering in cartilage repair, 155

cartilage defects and knee cartilage loss in healthy adults, 2033 coefficient of friction, the slippery slope of arthritis, 1632

dehydroascorbate transport in human chondrocytes, 2676

hereditary cartilage debonding syndrome, 3300

mechanical injury, gene expression after, 2386 OA, acoustic properties of early cartilage lesions in knee and ankle

joints, 3125

OA, acoustic properties of knee and ankle joint cartilage, 3125

OA, chondroitin 4 and 6 sulfate treatment of knee OA, 779

OA, correlates of hip cartilage volume, 1069

OA, extracellular superoxide dismutase and oxidant damage in, 3479 OA, human β -defensin in remodeling of, mouse study, 1736

OA, IL-1 and TNFα in matrix degradation, 128

OA, IL-8 and phosphate transporter/retrovirus receptor in chondrocyte phosphate uptake, 144

OÁ, inhibition of MMPs in cartilage loss in vitro, and in the guinea pig model, 171

OA, lateral view radiography to evaluate tibiofemoral joint space width, 3542

OA, matrix metabolism in lesions of knee and ankle joints, 112

OA, metalloproteinase disintegrin ADAM15 and degenerative cartilage remodeling, 1100
OA, moderate exercise and glycosaminoglycan content in cartilage,

OA, molecular markers of lipid peroxidation in, 2799

OA, MRI bone marrow abnormalities and cartilage degradation in knee OA, 2822

OA, PD0200347 in experimental OA, dog study, 488

OA, quantitative MRI assessment of cartilage morphology, 3132 osteogenic protein 1 antisense inhibition and cartilage integrity, 468 prevalent and incident knee cartilage defects, loss of tibial and patellar cartilage, 3918

RAGE expression by articular chondrocytes, 2376

synovitis and cartilage degeneration and overexpression of cathepsin K, mouse study, 3713

T cell IL-17 overexpression in IL-1-deficient arthritic mice, 975 tonic activation of hypoxia-inducible factor 1α in avascular articular cartilage, 3181

Cartilage defects, knee cartilage loss in healthy adults and, 2033

Cartilage degeneration

OA, moderate exercise and glycosaminoglycan content in cartilage, 3507 and synovitis, overexpression of cathepsin K and, mouse study, 3713

Cartilage degradation

IL-17 receptor and cartilage destruction in streptococcal cell wallinduced arthritis, mouse study, 3239

OA, acoustic properties of knee and ankle joint cartilage, 3125 OA, MRI bone marrow abnormalities and cartilage degradation in

knee OA, 2822

OA, oral glucosamine in, rabbit study, 1118, 3680

OA, PD0200347 in experimental OA, dog study, 488 osteogenic protein 1 antisense inhibition and cartilage integrity, 468 synovial fluid boundary lubrication following injury, rabbit study, 1746.

Cartilage loss

knee OA, chondroitin 4 and 6 sulfate treatment, 779

OA, cartilage loss on MRI and radiographic progression in, 3152OA, inhibition of MMPs in cartilage loss in vitro, and in the guinea pig model, 171

prevalent and incident knee cartilage defects, loss of tibial and patellar cartilage, 3918

Cartilage remodeling, OA, metalloproteinase disintegrin ADAM15 and degenerative cartilage remodeling, 1100

Cartilage repair

bone morphogenetic protein 2 for tissue engineering in, 155 proteoglycan 4 in synovial fluid, inhibition by, 1091

Cartilage volume, OA, correlates of hip cartilage volume, 1069 Cathensins

involvement in topoisomerase I cleavage in necrosis, 2133

synovitis and cartilage degeneration and overexpression of cathepsin K, mouse study, 3713

Cat-scratch disease, arthropathy associated with, 3611

CCL18, pulmonary fibrosis in SSc, serum pulmonary and activation-regulated chemokine/CCL18 levels in, 2889

CCL21, SS, CXCL13 and CCL21 expression and lymphoid features in, 1773
CCR2, SSc, chemokine receptor CCR2 expression by fibroblasts, 3772

CCR5, CCR5 antagonist for inhibition of rhesus monkey collageninduced arthritis, 627

CD4+ T cells

CD4+ T lymphocyte-dependent IL-1-driven arthritis, IL-2, IFNy, IL-4, joint macrophages, granulocyte-macrophage colony-stimulating factor, IL-6, and leukemia inhibitory factor and, 3749 class II MHC-peptide tetramers for detection of, mouse study, 1885

RA, association of with interstitial pneumonitis, 73

RA, fractalkine and T cell-synoviocyte interaction in, 1392

RA, IL-7 stimulates cell contact-dependent activation of, 1700RA, tissue trafficking patterns of effector memory CD4+ T cells in, 3839

SLE, reduced sensitivity to CD4+,CD25+ regulator T cells in murine lupus, 1180

CD4+ T lymphocyte-dependent IL-1-driven arthritis, IL-2, IFNγ, IL-4, joint macrophages, granulocyte-macrophage colonystimulating factor, IL-6, and leukemia inhibitory factor and, 3749 CD8+

AS, HLA-B27-restricted CD8+ T cell response to cartilage-derived peptides in, 892, 2581, 2582

SLE, activated CD8+ lymphocytes in SLE pathogenesis, 201

CD25+ regulatory T cells

collagen-induced arthritis, treatment with, 2212 SLE, reduced sensitivity to CD4+, murine lupus, 1180

CD28, RA, TNFa-induced modulation of CD28, 2996

CD35, bound to immune complexes in sera of SLE patients, 2950 CD40, SS, Fas and CD40 in salivary epithelial cell death, 573

CD44, OA, CD44v6 expression on chondrocytes in rabbits with OA, 810

CD64+ monocytes, RA, Toll-like receptor 2 and 4 expression on, 2227 CD95, NF-6B protection of T cells against CD95-induced apoptosis

up-regulating antiapoptotic proteins in Behçet's disease, 2179 CD97, epidermal growth factor-TM7 receptor expression in rheumatoid synovial tissue, 442

Celecoxib

cardiovascular events and, 1968

spontaneous circadian behavior in monarthritic rats, 3470

Central nervous system (CNS)

Afrin-induced CNS vasospasm and thunderclap headache, 3314 angiography-negative primary CNS vasculitis in children, 2159 SLE, cerebral and corpus callosum atrophy in, 2783

Cerebrovascular accident, COX-2 inhibitors and, 1968

Chebulagic acid, suppression of collagen-induced arthritis, mouse study, 345

Chemokine receptors

adjuvant-induced arthritis, expression in rats, 3718

RA, chemokines and their receptors as future targets, 710

SS, on B cells in primary SS, 2109

SSc, chemokine receptor CCR2 expression by fibroblasts, 3772

Chemokine

adjuvant-induced arthritis, amelioration by Met-RANTES, rat study, 1907

CCR5 antagonist for inhibition of rhesus monkey collagen-induced arthritis, 627

collagen-induced arthritis, CXCL13 neutralization and disease severity, mouse study, 620

cutaneous lupus erythematosus, amplification cycle triggering, 1504 in hepatitis C virus-associated mixed cryoglobulinemia vasculitis neuropathy, 2917

IL-8, role in phosphate transporter/retrovirus receptor expression and CSCR1-mediated inorganic phosphate uptake in chondrocytes. 144

juvenile DM, angiostatic ELR-CXC chemokines and vasculopathy in, 3175

lupus nephritis, effect of fractalkine antagonist on, mouse study, 1522

RA, chemokines and their receptors as future targets, 710

RA, CXCL12 stromal cell-derived factor 1 chemokine gene variant and radiographic progression, 354

RA, CXCL8 binding site on endothelial syndecan-3 in synovium, 2331

RA, fractalkine and T cell-synoviocyte interaction in, 139

SLE, elevated levels of soluble fractalkine in, 1670 SS, CXCL13 and CCL21 expression and lymphoid features in, 1773 SSc, serum pulmonary and activation-regulated chemokine/CCL18

levels in, 2889 Chicken study, TGFβ2, effects on procollagen α2 type I messenger RNA variants in embryonic fibroblasts, 1804

Childhood Myositis Assessment Scale, validation and clinical significance of, 368

Children. See also Juvenile

angiography-negative primary CNS vasculitis in, 2159

Childhood Myositis Assessment Scale, validation and clinical significance of, 368

classification of childhood arthritis, 382, 826

DM, angiostatic ELR-CXC chemokines and vasculopathy in, 3175 DM, calcinosis universalis as complication, 1626

Hodgkin's disease, hypertrophic osteoarthropathy in, 2584

JIA, corticosteroid intraarticular injection for temporomandibular joint arthritis in children with, 3563

juvenile SpA, anti-TNF α blockade in treatment of, 2103

neonatal-onset multisystem inflammatory disease, IL-1 blockade by anakinra improves symptoms, 1283

polyarticular arthritis, daily stress and mood in, 1196

SLE, B lymphocyte depletion therapy in, 3168

SLE, criteria for evaluating response to therapy, 2854

Children. See also Juvenile (cont'd)

SSc, juvenile localized, extracutaneous manifestations of, 2873

Chinese population

RA, PD-1 polymorphism and development of, 362

RA, PDCD1 haplotype associated with, 1058

Chlamydia trachomatis, innate immunity in infection-trigerred arthritis, mouse study, 1297

Chloroquine, clofazimine compared with for SLE, 3073

Chondrocalcinosis, sporadic chondrocalcinosis, ANKH sequence variants and, 1110

Chondrocytes

ADAMTS-9 induced by IL-1β and TNFα in inflammatory arthritides in, 1451

autologous transplantation of basic fibroblast growth factor genetransduced chondrocytes with adeno-associated virus vector, rabbit study, 164

basic fibroblast growth factor inhibits insulin-like growth factor 1 and osteogenic protein 1 in, 3910

dehydroascorbate transport in, 2676

hyaluronan oligosaccharide-induced activation of transcription factors in bovine articular chondrocytes, 800

IL-8 and phosphate transporter/retrovirus receptor in chondrocyte phosphate uptake, 144

OA, CD44v6 expression on chondrocytes in rabbit with OA, 810

OA, matrix-degrading enzyme expression in, 3110

OA, molecular markers of lipid peroxidation in OA cartilage, 2799 OA, PD0200347 in experimental OA, dog study, 488

OA, reactivity of OA chondrocytes to IL-1β, 136 RAGE expression by articular chondrocytes, 2376

Chondroitin sulfate

epidermal growth factor-TM7 receptor expression in rheumatoid synovial tissue, 442

knee OA, chondroitins 4 and 6 sulfate treatment, 779

OA, clinical trials of disease-modifying OA drugs, lessons learned,

Chondrosarcoma cells, ADAMTS-9 induced by IL-1β and TNFα in inflammatory arthritides in, 1451

Chronic fatigue syndrome (CFS), monitoring of activity and symptoms, 296

Chronic infantile neurologic, cutaneous, articular (CINCA) syndrome. See also Neonatal-onset multisystem inflammatory disease CIAS1 somatic mosaicism in, 3579

Churg-Strauss syndrome

ANCAs, prevalence and clinical significance of in, 2926 definitions and classification criteria, 2589

Cia10, pristane-induced arthritis: severity, pannus formation, and joint damage and, rat study, 322

CIASI gene
CINCA syndrome, CIASI somatic mosaicism in, 3579 systemic multisystem syndromes and anakinra, 1960

Cigarette smoking

RA, HLA-DR shared epitope alleles in, 3675, 3676

as SLE risk factor, 1340, 1341 Circadian behavior, spontaneous, in monarthritic rats, 3470

Citrullinated proteins in humoral autoimmunity, 2323

RA phenotype based on specificity of HLA-DRB1 shared epitope for, 3433

Classification

childhood arthritis, 382, 826

early AS, 1000

RA, call for new ACR classification criteria, 3333

RA, evaluation of ACR decision tree format for RA classification over 5 years, 227

RA, HLA-DRB1 alleles, new classification in, 1063

Clinical trials

AS, recommendations for, 386

Clinical trials (cont'd)

carpal tunnel syndrome, surgery vs. steroid injection, 612, 2578 continuous indices of core data set measures in, 1031

idiopathic inflammatory myopathies, consensus guidelines for myopathy trials, 2607

JIA, meloxicam vs. naproxen for, 563

new journal policy regarding registration of, 2243

OA, disease-modifying drugs, lessons learned, 3349 OA, importance of alignment in knee radiography for clinical trials

of structure-modifying drugs, 1343, 1411

RA, ACR-N index of improvement: con argument, 1642 RA, ACR-N index of improvement: pro argument, 1637

RA, early suppression of disease activity and maintenance of work

RA, presentation and analysis of radiographic data, 49

reduction in serum uric acid with sevelamer and calcium-based phosphate binders, 290

Clinically amyopathic DM (C-ADM), anti-C-ADM-140 in Japanese with, 1571

Clofazimine, compared with chloroquine for SLE, 3073

Coculture model, RA, neutrophil recruitment in coculture model of,

Cognitive impairment, SLE, cerebral and corpus callosum atrophy in,

COL1A1 gene, polymorphism, hip OA, and genetics in elderly women, 1431

Collagen

arthritogenic capacity of anti-type II collagen antibodies, mouse study, 1897

microfibril-associated glycoprotein 2, increased expression of type I collagen and, mouse study, 1812

OA and early RA, type II collagen helical peptide in, 1081

OA, COL9A1 gene and hip OA, 1437

OA, matrix metabolism in cartilage lesions of knee and ankle joints,

RA, neoantigenic epitopes after posttranslational modification of type II collagen, 3829

specific inhibition of SPARC and decreased expression of type I collagen, 257

SSc, microfibril-associated glycoprotein 2, increased expression of type I collagen and, mouse study, 1812

Collagen degradation, OA and early RA, type II collagen helical peptide in, 1081

Collagen-induced arthritis

adaptive immunity in p53 regulation of arthritis, mouse study, 1876 angiotensin receptor blockers for amelioration of, mouse study, 1920, 3678, 4047

bone-protective effects of anabolic treatment used with RANKL and TNF inhibition, rat studies, 1604

CCR5 antagonist for inhibition of rhesus monkey collagen-induced arthritis, 627

chebulagic acid, suppression by, mouse study, 345

combination therapy with M40403 and dexamethasone in, rat study,

combination therapy with M40403 and MTX, rat study, 3755

CXCL13 neutralization and disease severity, mouse study, 620

dipeptidyl peptidase I and, mouse study, 2553

erythropoietin effects on, 940

exacerbation in IFNβ-deficient mice, 3739

gene therapy targeting Tie2 in, 1585

heme oxygenase 1 modulation in progression of, 3230

lymphotoxin regulates T cell response and autoimmunity, 3202 mesenchymal stem cells, reversal of immunosuppressive properties by TNFa, mouse study, 1595

Nur77 overexpression and, mouse study, 333

osteoclastogenesis, kinetics of, rat study, 3192

plasminogen deficiency of in different RA models, 2541

Collagen-induced arthritis (cont'd)

small interfering RNA and joint inflammation in mice, 1314 soluble IL-1 receptor accessory protein to ameliorate, 2202

sympathetic nervous system and chronic collagen-induced arthritis in mice, 1305

thrombospondin 1 gene therapy for, rat study, 339 treatment with CD25+ regulatory T cells, 2212

V_14 NKT cells in murine arthritis, 1941

Combination therapy

Behçet's uveitis, infliximab efficacy for treatment-resistant, 2478 BeSt study, 3326, 3381

collagen-induced arthritis, combination therapy with M40403 and dexamethasone, rat study, 1929

DM, juvenile, MTX plus aggressively tapered corticosteroids for,

JIA, hydroxychloroquine and serum MTX concentrations in children with, 1621

JIA, infliximab plus MTX in refractory polyarticular JIA, 548 RA, combination MTX-intramuscular gold therapy, 1360

RA, early suppression of disease activity and maintenance of work capacity, 36

RA, efficacy of, 2975

RA, etanercept plus MTX, presentation and analysis of clinical trial radiographic data, 49

RA, infliximab plus MTX, benefit in patients without clinical improvement, 1020, 4044, 4045

RA, infliximab plus MTX for poor-prognosis RA, 27

RA, MTX plus abatacept (CTLA-4Ig) treatment, 2229, 2263 RA, prednisolone plus DMARDs in early RA, 3324, 3360, 3371

Complement activation, antiphospholipid antibody-mediated thrombophilia and, mouse study, 2120

Complement receptor 1, bound to immune complexes in sera from SLE patients, 2950

Congenital heart block

anti-SSA/Ro 52-kd antibodies and, 366

in family members of different generations, anti-SSA/Ro antibodies and, 1623, 1625

maternal antibody specificity and fetal congenital heart block, 3079 PR interval as early marker, 1341, 1342

Congestive heart failure, risk of in RA, 412

Connective tissue disease, corrected QT interval in anti-SSA-positive adults with, 676, 677

Core data set, clinical trials, continuous indices of core data set measures in, 1031

Coronary artery atherosclerosis, in RA, 3045

Coronary heart disease. See Cardiovascular disease

Corticosteroids

intraarticular methylprednisolone therapy and cortisol secretion,

JIA, intraarticular injection for temporomandibular joint arthritis in children with, 3563

juvenile DM, MTX plus aggressively tapered corticosteroids for,

SLE, lymphocyte expression of P-glycoprotein and steroid resistance, 1676

Cortisol

FM, momentary relationship between symptoms and cortisol secretion, 3660

intraarticular methylprednisolone therapy and cortisol secretion,

RA, reactivation of glucocorticoids in synovial cells, 1711

Costimulatory blockade, SLE, prevention and reversal by costimulatory blockade with adeno-associated virus-mediated gene transfer, 3975

Covalent RNA-protein complexes, generation of by ultraviolet B irradiation, 1160

Cranial arteries, GCA, cranial involvement in by MRI, 2470

C-reactive protein

inflammatory polyarthritis, baseline C-reactive protein levels and prediction of death from cardiovascular disease in, 2293

lupus nephritis, single-dose C-reactive protein therapy, mouse study,

RA, C-reactive protein as predictor of infliximab treatment outcome, 42

reversal of proteinuria in autoimmune mice by treatment with, 642 Criteria

Churg-Strauss syndrome, classification of, 2589

RA, disease activity states, 2625

SLE, evaluating response to therapy in children, 2854

Crohn's disease

common genetic control pathways of inflammation in Crohn's disease and PsA, 3596

SLC22A4 polymorphisms, lack of association with, 425

Cruciate ligament

integrity of in knee OA, 794

laxity in early-stage knee OA, guinea pig study, 3100

Cryoglobulinemia, systemic vasculitis, PEGylated IFN alfa-2b and ribavirin treatment for hepatitis C virus-related systemic vasculitis, 911

CTLA-4Ig (abatacept), RA treatment with, 2229, 2263

Cutaneous lupus erythematosus

amplification cycle triggering, 1504

high mobility group box chromosomal protein 1 in skin lesions, 3639 up-regulation of 52-kd Ro/SSA by TNFα via TNF receptor 1, 531

Cutaneous necrosis, APS, dermatologic manifestations of, 1785 CX3CL1

lupus nephritis, effect of fractalkine antagonist on, mouse study,

RA, fractalkine and T cell-synoviocyte interaction in, 1392 SLE, elevated levels of soluble fractalkine in, 1670

CXC chemokines

lupus nephritis, effect of fractalkine antagonist on, mouse study,

RA, chemokines and their receptors as future targets, 710

RA, fractalkine and T cell-synoviocyte interaction in, 1392

SLE, elevated levels of soluble fractalkine in, 1670

CXCL8, RA, binding site on endothelial syndecan-3 in synovium, 2331 CXCL12, RA, stromal cell-derived factor 1 chemokine gene variant and radiographic progression, 354

collagen-induced arthritis and, mouse study, 620

SS, CXCL13 and CCL21 expression and lymphoid features in, 1773 CXCL16

RA, CXCL16 recruits memory T cells into rheumatoid joints, 1381 RA, pathogenic role of CXCL16-CXCR6 pathway in, 3004

CXCR1, IL-8, role in phosphate transporter/retrovirus receptor expression and CXCR1-mediated inorganic phosphate uptake in chondrocytes, 144

CXCR6, RA, pathogenic role of CXCL16-CXCR6 pathway in, 3004 Cyclooxygenase 2 (COX-2) gene transcription in human synovial fibroblasts, regulation by 15-deoxy-Δ^{12,14}-prostaglandin J₂, 94 Cyclooxygenase 2 (COX-2) inhibitors

AS, NSAIDs for reduction of radiographic progression, 1756 cardiovascular events and, 1968 etoricoxib for AS, 1205

Cyclophosphamide

ANCA-associated vasculitis, MTX vs. cyclophosphamide to induce remission, 2461

RA, effect of high-dose chemotherapy and ASCT on joint damage,

SLE, gonadotropin-releasing hormone analog for ovarian protection during, 2761

CYP2C9 polymorphism, molecular mechanisms and variability in drug response, 1349

CYP2C19 polymorphism, molecular mechanisms and variability in drug response, 1349

CYP2D6 polymorphism, molecular mechanisms and variability in drug response, 1349

CYP3A polymorphism, molecular mechanisms and variability in drug response, 1349

CYP7B, RA, proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770

Cytochrome P450 enzymes, molecular mechanisms and variability in drug response, 1349

Cytokines

in hepatitis C virus-associated mixed cryoglobulinemia vasculitis neuropathy, 2917

OA, variations in innate cytokine activity and risk of OA, 1443 RA, proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770 SLE, anti-P antibodies and proinflammatory cytokine expression by

human monocytes, 847

SLE, high mobility group box chromosomal protein 1 in skin lesions, 3639

Cytotoxic T lymphocyte-associated antigen 4, Epstein-Barr virus and SLE, 1148

D

Dalmation defect, hepatic endocrinopathy of urate transport, 2257 Damage accrual, SLE, hydroxychloroquine and reduction of damage risk in, 1473

Data analysis continuous indices of core data set measures in clinical trials, 1031 methodologic issues in superiority trials assessing structural outcomes, 1858

RA, presentation and analysis of clinical trial radiographic data, 49 Debonding syndrome, hereditary cartilage, 3300

Decision tree format, for RA classification, evaluation over 5 years,

2277 Deep vein thrombosis, Behçet's disease, association of R92Q TNFRSF1A mutation and risk of, 608, 2582

Defensin, OA, human β -defensin in tissue remodeling, mouse study, 1736

Dehydroascorbate transport, in chondrocytes, 2676

Dehydroepiandrosterone (DHEA)

RA, proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770

RA, TNF inhibition of conversion of DHEA sulfate to DHEA, 1721 Dendritic cells

in autoimmunity and disease, 11

RA, RANK/RANKL system in inflammation, 2307

RA, Toll-like receptors 3, 4, and 7/8 and, 2313

SLE, tolerance breaking by dendritic cells without SLE disease expression, 225 15-Deoxy-Δ^{12,14}-prostaglandin J₂

COX-2 gene transcription in human synovial fibroblasts, regulation by, 94

rosiglitazone-induced IL-1Ra in rat synovial fibroblasts, 759

Depot leuprolide acetate, SLE, gonadotropin-releasing hormone analog for ovarian protection during cyclophosphamide treatment, 2761

Depression, neural activations in depression and chronic pain, 1577 Dermatan sulfate, epidermal growth factor-TM7 receptor expression in rheumatoid synovial tissue, 442

Dermatomyositis (DM)

anti-CADM-140 in Japanese with clinically amyopathic DM, 1571 antisynthetase-associated ILD, tacrolimus treatment. 2439 calcinosis universalis as complication in juvenile DM, 1626

Childhood Myositis Assessment Scale, validation and clinical significance of, 368

Dermatomyositis (DM) (cont'd)

children, angiostatic ELR-CXC chemokines and vasculopathy in,

consensus guidelines for myopathy trials, 2607

malignancy-associated, 3712

rituximab treatment, 601

seasonal associations with, 2433

Dexamethasone

collagen-induced arthritis, combination therapy with M40403, rat study, 1929

Egr2/Krox20 in dexamethasone-mediated osteocalcin repression, mouse study, 929

Diacerein, OA, clinical trials of disease-modifying OA drugs, lessons learned, 3349

Dietary protein, OA, serum sulfate levels and development of, 2808 Dietary supplements

OA, oral glucosamine in rabbit, 1118, 3680

synovial fluid level and serum pharmacokinetics of oral glucosamine,

Diffusion chambers, bone morphogenetic protein 2 for tissue engineering in cartilage repair, 155

Digital gangrene, APS, dermatologic manifestations of, 1785

Digital x-ray radiogrammetry, as RA diagnostic tool, 3850 Dijkstra score, JIA, assessment of radiographic change in, 2865

Dipeptidyl peptidase I, collagen-induced arthritis and, mouse study, 2553

Disability

FM and CFS, monitoring of activity and symptoms, 296

knee pain in older adults, influence of "pain elsewhere" on outcomes in, 2350

OA, hand strength in relation to radiographic features in, 1424 RA, early suppression of disease activity and maintenance of work capacity, 36

risk factors for functional decline in older adults with arthritis, 1274 Disease activity

JIA, patterns in, 3554

juvenile SLE, criteria for evaluating response to therapy, 2854

RA, defining criteria for, 2625

RA, mildness of disease course, 2616

SLE, as risk factor for venous thrombosis in LUMINA study patients, 2060

SLE, C4d-bearing reticulocytes as disease activity markers, 3087

SLE, criteria for evaluating response to therapy, 2854

SLE, lymphocyte expression of P-glycoprotein and steroid resistance, 1676

SLE, raloxifene for postmenopausal women with SLE, 3997

Disease Activity Score in 28 Joints (DAS28)

RA, defining criteria for disease activity states, 2625

as sole criterion for initiation and evauation of anti-TNF therapy, 3873

Disease flare

polyarticular arthritis, daily stress and mood in children with, 1196 SLE, anti-dsDNA antibody levels and renal flare in, 1129

Disease-modifying antirheumatic drugs (DMARDs). See also names of individual drugs

BeSt study, 3326, 3381

OA, clinical trials of disease-modifying OA drugs, lessons learned,

RA, combination therapy, efficacy of, 2975

RA, early suppression of disease activity and maintenance of work

RA, prednisolone plus DMARDs in early RA, 3324, 3360, 3371 Disease progression

AS, measurement of treatment effect on spinal radiographic progression in, 1979

AS, NSAIDs for reduction of radiographic progression, 1756

Disease progression (cont'd)

collagen-induced arthritis, heme oxygenase 1 modulation in progression of, 3230 lupus nephritis, effect of fractalkine antagonist on, mouse study,

OA and early RA, type II collagen helical peptide in, 1081

OA, anteroposterior laxity and knee OA progression, 2343

OA, hip abduction moment and protection against progression, 3515 OA, NSAIDs and radiologic progression of, 3137

OA, oral doxycycline to slow radiographic progression, 1956, 2015

RA, age and OA at onset of symptoms, association with radiographic damage in, 2284

RA, effect of high-dose chemotherapy and ASCT on joint damage,

RA, mildness of disease course, 2616

RA, prednisolone plus DMARDs in early RA, 3324, 3360, 3371 RA, stromal cell-derived factor 1 chemokine gene variant and radiographic progression, 354

WG, serum proteomic approach to gauging state of remission, 902 Disease severity

collagen-induced arthritis and Nur77 overexpression, mouse study,

collagen-induced arthritis, CXCL13 neutralization and disease severity, mouse study, 620

OA, correlating disease severity and MRI findings, 3492

OA, delayed gadolinium-enhanced MRI of knee OA, 3528

OA, health state preferences, impact of disease severity and gastrointestinal side effects on, 2366

pristane-induced arthritis, Cia10 effects on, rat study, 322

protease-activated receptor, role in arthritis severity in mice, 1325 RA, DERAA-encoding HLA alleles and RA severity and susceptibility, 2637

RA, migration inhibitory factor, correlation with, 3020

RA, PTPN22 codon R602W and, 358

Disease symptoms, polyarticular arthritis, stress, mood, and symptoms in children with, 1196

Disintegrins, OA, metalloproteinase disintegrin ADAM15 and degenerative cartilage remodeling, 1100

Dog studies

Dalmation defect, hepatic endocrinopathy of urate transport, 2257 PD-0200347 in experimental OA, 488

Doppler echocardiography, fetal heart block, anti-SSA/Ro 52-kd antibodies and, 366

Doxycycline

OA, clinical trials of disease-modifying OA drugs, lessons learned,

OA, to slow radiographic progression, 1956, 2015

Drug efficacy

AS, measurement of treatment effect on spinal radiographic progression in, 1979

methodologic issues in superiority trials assessing structural outcomes, 1858

RA, gene expression analysis of drug effects, 2248

spontaneous circadian behavior in monarthritic rats, 3470

Drugs. See names of individual drugs

Dysphagia, malignancy-associated DM, 3712

Dyspnea, SSc, correlation of dyspnea with health-related quality of life in SSc with alveolitis, 592

Early onset RA, PTPN22 codon R602W and, 358

Effector memory cells, RA, tissue trafficking patterns of effector memory CD4+ T cells in, 3839

Egr2/Krox20, in dexamethasone-mediated osteocalcin repression, mouse study, 929

Eicosanoids, in pathogenesis of SSc lung disease, 3693, 3783 Elderly. See Older adults

Electroencephalography (EEG), neuropsychiatric symptom assessment in APS and SLE, 841

Electroporation, to enhance MTX effect in adjuvant-induced arthritis,

ELR-CXC chemokines, angiostatic, and vasculopathy in juvenile DM, 3175

Endomorphin 1, chronic arthritis, peripheral μ-opioid receptor expression down-regulated in, 3210

Endoplasmic reticulum stress response, in myositis, 1824

Endothelial cells

anti-endothelial cell antibodies in vasculitis-associated systemic autoimmune diseases, 4028

involvement of p38 MAPK in antiphospholipid antibody-induced up-regulation of tissue factor on HUVECs, 1545

RA, CXCL8 binding site on endothelial syndecan-3 in synovium,

RA, neutrophil recruitment in coculture model of, 3460

SSc, tissue kallikreins in endothelial cells, 3618

Enthesitis-related arthritis, KIR3DL2 in, 3586

ELISA, detection of anti-RNA polymerase III antibody, 2425 EO6, SLE, raised lipid peroxidase is associated with arterial and renal

disease, 192 Epidermal growth factor-TM7 receptor, expression in rheumatoid synovial tissue, 442

Epithelial cells

CXCL13 and CCL21 expression and lymphoid features in SS, 1773 Fas and CD40 in salivary epithelial cell death in SS, 573

Epstein-Barr virus, SLE and, 1148

Equine studies, synovial fluid levels and serum pharmacokinetics of oral glucosamine, 181

Errata, 678, 986, 1342, 1619, 2951, 3321, 3659

Erythema, APS, dermatologic manifestations of, 1785 Erythropoietin, collagen-induced arthritis, effects on, 940

Estrogen deprivation arthralgias, 2594 Etanercept

AS, anti-TNF therapy decreases anterior uveitis flares in, 2447

AS, MRI assessment of spinal inflammation before and after treatment, 1216

psoriasis onset during treatment, 2513

RA, apoptosis induction in joint macrophages, 61

RA, C-reactive protein as predictor of infliximab treatment outcome and subsequent response to etanercept, 42

RA, infections in patients treated with biologic agents, 3403

RA, infection with Strongyloides sterocoralis during treatment, 1336 RA, presentation and analysis of clinical trial radiographic data, 49 RA, prostaglandin E₂ biosynthetic pathway and, 3439

in RA and AS, 2506

sarcoid arthritis treated with intraarticular etanercept, 987

septic arthritis due to Listeria monocytogenes in etanercept-treated patient, 987

SpA, etanercept for peripheral joint synovitis in, 3898 WG, damage caused by WG and its treatment, 2168

OA, surgical outcomes following knee or hip arthroplasty, racial/ ethnic differences and, 3143

thromboembolism in SLE, incidence and risk factors, 2774

Etoricoxib, AS, efficacy in, 1205

FM and CFS, monitoring of activity and symptoms, 296

OA, moderate exercise and glycosaminoglycan content in cartilage,

risk factors for functional decline in older adults with arthritis, 1274 Exosomes, salivary gland epithelial cell, 1517

Familial Mediterranean fever

MEFV analysis in western European patients, 3603

Familial Mediterranean fever (cont'd)

regulation of pyrin subcellular localization by 14.3.3 proteins, 1848 Familiality

acute anterior uveitis, unique genetic region on chromosome 9p and, 269

Behçet's disease, whole-genome screen for susceptibility genes in, 1836

congenital heart block and anti-SSA/Ro antibodies in family members of different generations, 1623, 1625

OA, variations in innate cytokine activity and risk of OA, 1443 SLE, aggregation of autoimmune diseases, 1138

SLE, PTPN22 R620W polymorphism in families, 2396 Fas, Fas and CD40 in salivary epithelial cell death in SS, 573

Fey receptor type I, and joint inflammation in IFNγ-enhanced immune complex-mediated arthritis, 967

Fcy receptor type IIa, in autoimmune inflammation, 3220

Fcy receptor type III, in development of proteoglycan-induced arthritis, mouse study, 1612

Febuxostat, for gout, safety and efficacy, 916 Feet

POPP, 280, 2954

RA, sensitivity to change of MRI and radiography, 2300

Femoral intercondylar notch narrowing, in early-stage knee OA, guinea pig study, 3100

Femur

osteopenia in childhood-onset SLE, 2051

subchondral femoral head insufficiency fracture after renal transplantation, 1293

Fetal heart block

anti-SSA/Ro 52-kd antibodies and, 366 maternal antibody specificity and, 3079 PR interval as early marker for, 1341, 1342

Fetal loss, SLE, increased lupus activity and obstetric outcomes, 514 Fibrinogen, HLA-DR genes and production of RA-specific anti-CCP antibodies to citrullinated fibrinogen, 3424

Fibroblast-like synoviocytes

RA, invasiveness of and joint destruction, 1999

RA, proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770

RA, synovial tissue heterogeneity and, 430

RA and OA, kappa and delta opioid receptors in, 1402 Fibroblasts

C43S TRAPS mutation and TNFα-induced signaling, 1287, 2952 FK-506, effects on normal and SSc fibroblasts, 1237

membrane type 1-MMP inhibition and reduced invasiveness of RA synovial fibroblasts, 2010

osteoclast formation promoted by RANKL in spontaneous erosive arthritis, mouse study, 3257

RA, activation by necrotic synovial fluid cells via Toll-like receptor 3, 2656

RA, neutrophil recruitment in coculture model of synovium, 3460 regulation of COX-2 gene transcription by 15-deoxy- $\Delta^{12,14}$ -prostaglandin J_2 , 94

rosiglitazone-induced IL-1Ra in rat synovial fibroblasts, 759 specific inhibition of SPARC and decreased expression of type I collagen, 257

SSc, av \$5-mediated TGF\$\beta\$ signaling in, 2897

SSc, chemokine receptor CCR2 expression by fibroblasts, 3772 SSc, fibroblast gene expression profiles in twins, 3305

SSc, p300 and profibrotic response to TGFβ, 1248

SSc, transcriptosome analysis of nonlesional dermal fibroblasts in, 865

TGF β 2 effects on procollagen α 2 type I messenger RNA variants, chicken study, 1804 Fibromyalgia (FM)

cortisol secretion, momentary relationship between symptoms and, 3660

Fibromyalgia (FM) (cont'd)

monitoring of activity and symptoms, 296

neural activations in depression and chronic pain, 1577

pain variability in, 3670

pramipexole treatment of, 2495 pregabalin treatment, 1264

Fibrosis

specific inhibition of SPARC and decreased expression of type I collagen, 257

SSc, microfibril-associated glycoprotein 2, increased expression of type I collagen and, mouse study, 1812

SSc, transcriptosome analysis of nonlesional dermal fibroblasts in,

TGFβ2, effects on procollagen α2 type I messenger RNA variants in embryonic fibroblasts, chicken study, 1804

Fingers. See also Hand

OA, high-resolution MRI for assessment, 2355

POPP, 2954

RA, sensitivity to change of MRI and radiography, 2300

RA, ultrasonographic synovitis scoring system for finger joint inflammation, 733

FK-506, effects on normal and SSc fibroblasts, 1237

Folate receptor β, RA, targeting of synovial macrophages with antifolate receptor β antibody and truncated Pseudomonas exotoxin, 2666

Folic acid, and MTX treatment, 1338, 1339, 3030 Folinic acid, and MTX treatment, 1338, 1339 Follicle-stimulating hormone (FSH), in SLE, 3701

Forefeet, RA, sensitivity to change of MRI and radiography, 2300 Fractalkine

lupus nephritis, effect of fractalkine antagonist on, mouse study, 1522

RA, fractalkine and T cell-synoviocyte interaction in, 1392 SLE, elevated levels of soluble fractalkine in, 1670

Fractures

subchondral femoral head insufficiency fracture after renal transplantation, 1293

vertebral fractures in SLE patients and low BMD, 2044

Free radicals, production of by rheumatoid synovial T lymphocytes, 2003

Frizzled-related protein gene (FRZB), OA and FRZB gene variants, 1077

Functional abilities

OA, health state preferences, impact of disease severity and gastrointestinal side effects on, 2366

RA, high-dose chemotherapy followed by autologous hematopoietic stem cell transplantation, long-term followup of health status, 2272

RA, improvement in functional status from 1985 to 2000, 991, 1009 risk factors for functional decline in older adults with arthritis, 1274 SLE, obesity and, 3651

SSc, correlation of dyspnea with health-related quality of life in SSc with alveolitis, 592

G

Gabapentin, PD0200347 in experimental OA, dog study, 488

knee OA, hip abduction moment and protection against progression, 3515

knee OA, secondary gait changes in, 2835

Gangrene, APS, dermatologic manifestations of, 1785 Gene expression analysis, drug effects in RA and, 2248

Gene therapy

autologous transplantation of basic fibroblast growth factor genetransduced chondrocytes with adeno-associated virus vector, rabbit study, 164

collagen-induced arthritis, intranasal IL-10 delivery system, 3761

Gene therapy (cont'd)

collagen-induced arthritis, thrombospondin 1 gene therapy for, rat study, 339

RA, kallistatin for, rat study, 1319

RA, targeting Tie2 attenuates collagen-induced arthritis, mouse study, 1585

Gene transfer

membrane type 1-MMP inhibition and reduced invasiveness of RA synovial fibroblasts, 2010

SLE, prevention and reversal by costimulatory blockade with adenoassociated virus-mediated gene transfer, 3975

Genetics. See also Familiality; Gene therapy; Mutations; Polymorphism

acute anterior uveitis, unique genetic region on chromosome 9p and,

ADAMTS9 gene and inflammatory arthritis, 1451 APS, valine²⁴⁷ β2-glycoprotein I and risk of, 212

arthropathy-accelerating MRL locus in DBA/1 mice, 959

Behçet's disease, TNFRSF1A R92Q mutation and risk of venous thrombosis in, 608, 2582

Behçet's disease, whole-genome screen for susceptibility genes in, 1836

C43S TRAPS mutation and TNFα-induced signaling, 1287, 2952

CINCA syndrome, CIAS1 somatic mosaicism in, 3579

Crohn's disease, lack of association with SLC22A4 polymorphisms, 425

15-deoxy- $\Delta^{12,14}$ -prostaglandin J_2 , regulation of COX-2 gene transcription in human synovial fibroblasts by, 94

detailing ethnicity and phenotypes for pooling association studies,

experimental SpA, genetic control of, mouse study, 2452

gene expression after cartilage injury, 2386

gout, SLC22A12 mutation as suppressing factor for, 2576

haplotype association studies enhanced by examining more polymorphic loci, 674

hepatitis C virus-associated mixed cryoglobulinemia vasculitis neu-ropathy, chemokines and Th1 cytokines in, 2917

hereditary cartilage debonding syndrome, 3300

hyperimmunoglobulinemia D with periodic fever syndrome, pseudodominant inheritance of, 3606

IL-1\beta gene promoter polymorphism and levels of IL-1\beta protein, 361, 362

JIA, PTPN22 as autoimmunity gene, 1694

JIA, SLC11A1 (NRAMP1) genetics in, 247

JIA, WISP3 polymorphisms and susceptibility to, 3548

knee structure, heritability of longitudinal changes in, 2830

MMPs, abnormal expression in OA chondrocytes and epigenetic "unsilencing", 3110

molecular mechanisms and variability in drug response, 1349

MTX, resistance to in air-pouch model of acute inflammation, 2567 OA, abnormal expression of MMPs in chondrocytes and epigenetic "unsilencing", 3110

OA, asporin polymorphism and OA etiology in, 3502

OA, COLIAI polymorphism, hip OA, and genetics in elderly women, 1431

OA. COL9A1 gene and hip OA, 1437

OA, FRZB gene variants and, 1077

OA, IL-1 gene cluster polymorphisms and pathogenesis of, 674

OA, no association between locus on chromosome 6 and hip OA,

OA, reactivity of chondrocytes to IL-1B, 136

OA, variations in innate cytokine activity and risk of, 1443

osteogenic protein 1 antisense inhibition and cartilage integrity, 468 pharmacogenetics and rheumatology, 1349

pristane-induced arthritis, Cia10 effects on severity, pannus formation, and joint damage, rat study, 322

Genetics. See also Familiality; Gene therapy; Mutations; Polymorphism (cont'd)

proteoglycan-induced spondylitis, genetic control of, mouse study, 2452

PsA, common genetic control pathways of inflammation for Crohn's disease and, 3596

PTPN22 as autoimmunity gene, 1694

RA, association of PTPN22 variant with, 1993, 2222

RA, association of single-nucleotide polymorphisms in SEC8L1 gene in Japanese, 1371

RA, DERAA-encoding HLA alleles and disease severity and susceptibility, 2637

RA, Fcy receptor type IIIA polymorphisms and treatment outcomes with TNFα blockade, 2693

RA, HLA-DR genes and production of anti-citrullinated protein antibodies, 3424

RA, HLA-DR shared epitope alleles and cigarette smoking, 3675,

RA, HLA-DRB1 alleles, new classification in, 1063

RA, IL1RN gene and disease susceptibility in Spanish population,

RA, IL-1 receptor antagonist deficiency and, 3731

RA, migration inhibitory factor, correlation with severity, 3020

RA, no association with SLC22A4 polymorphisms, 425, 2947

RA, PADI4 and, 3054

RA, PD-1 polymorphism and development of, 362

RA, PDCD1 haplotype associated with, 1058

RA, phenotype based on specificity of HLA-DRB1 shared epitope for citrullinated proteins, 3433

RA, proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770

RA, PTPN22 as autoimmunity gene, 1694

RA, PTPN22 C1858T single-nucleotide polymorphism in, 2948

RA, PTPN22 codon R602W and early onset/disease severity effect,

RA, PTPN22 locus associated with in New Zealand Caucasian cohort, 2222

RA, PTPN22 polymorphisms in, 219

RA, regulation of anti-CCP antibodies in, 3813

RA, SLC22A4 gene, no association with RA in Japanese population, 2047

RA, SLC22A4 gene, no association with RA in UK population, 752 RA, stromal cell-derived factor 1 chemokine gene variant and radiographic progression, 354

RA. TNFR2 not associated with RA susceptibility in Caucasian population, 2579

RA, TP53 and apoptosis effects in, 1047

recurrent fever in western European patients, MEFV analysis and,

SLE, familial aggregation of autoimmune diseases in SLE, 1138

SLE, genetic origin of in SWR/NZB hybrids, 659

SLE, high mobility group box chromosomal protein 1 in skin lesions,

SLE, mannose-binding lectin gene polymorphisms and, 3966

SLE, maternal HLA class II compatibility in men with, 2768

SLE, osteopontin single-nucleotide polymorphisms and susceptibility to, 539

SLE, PD-1 polymorphism and development of, 362

SLE, PDCD1 polymorphism and renal manifestations in mice, 1665

SLE, PTPN22 polymorphisms in, 219 SLE, PTPN22 R620W polymorphism in families, 2396

SLE, Sle2-associated component lupus phenotypes, deficiency of type I interferon contribution to, mouse study, 3063

SLE, Yaa gene-linked monocytosis, mouse study, 2790

SLE/autoimmune thyroid disease susceptibility gene at 5q14.3-15,

SpA, HLA-B*5703 in HIV infection and, 275

Genetics. See also Familiality; Gene therapy; Mutations; Polymorphism (cont'd)

sporadic chondrocalcinosis, ANKH sequence variants and, 1110

SS, gene expression profiling of minor salivary glands, 1534 SSc, fibroblast gene expression profiles in twins, 3305

SSc, tissue kallikreins in endothelial cells, 3618

SSc, transcriptosome analysis of nonlesional dermal fibroblasts in, 865

SSc, X chromosome inactivation in women, 1564, 3679

TRAPS mutation and TNFα-induced signaling, 1287, 2952

TRAPS-related TNF receptor I mutants, 2906

WG, PTPN22 620W allele as risk factor for, 4039

Genome screen, Behçet's disease, whole-genome screen for susceptibility genes in, 1836

Giant cell arteritis (GCA), cranial involvement in by MRI, 2470 Glomerular binding assay, autoantibodies that bind glomeruli, 2403 Glucocorticoids

Egr2/Krox20 in dexamethasone-mediated osteocalcin repression, mouse study, 929

intraarticular glucocorticoid treatment reduces inflammation in synovial infiltrations, 3880

knee, radiation synovectomy vs. intraarticular glucocorticoid treatment, 3391

osteoporosis induced by, temporal trends in prevention of, 2485

RA, prednisolone in early RA, 3324, 3360, 3371

RA, prostaglandin E₂ biosynthetic pathway and, 3439

RA, reactivation of glucocorticoids in synovial cells, 1711

SLE, dose as risk factor for venous thrombosis in LUMINA study patients, 2060

Glucosamine

OA, clinical trials of disease-modifying OA drugs, lessons learned, 3349

in rabbit OA, 1118, 3680

synovial fluid levels and serum pharmacokinetics of oral glucosamine, 181

Glucose transporters, dehydroascorbate transport in human chondrocytes, 2676

Glycoproteins

APS, valine²⁴⁷ β_2 -glycoprotein I and risk of APS, 212

microfibril-associated glycoprotein 2, increased expression of type I collagen and, mouse study, 1812

Glycosaminoglycan

anterior cruciate ligament injury, cartilage glycosaminoglycan loss in acute phase, gadolinium-enhanced MRI, 120

OA, moderate exercise and glycosaminoglycan content in cartilage, 3507

Gold, RA, combination MTX-intramuscular gold therapy, 1360

Gonadotropin-releasing hormone analog, for ovarian protection during cyclophosphamide treatment of SLE, 2761

Gout

febuxostat for, safety and efficacy, 916

inflammation and Toll-like receptors 2 and 4 and myeloid differentiation factor 88 expression, mouse study, 2936

reduction in serum uric acid with sevelamer, 290

SLC22A12 mutation as suppressing factor for, 2576

tophaceous gout of symphysis pubis, 4082 uric acid levels and diet, NHANES-III, 283

Granulocyte-macrophage colony-stimulating factor, acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

Granzyme B, SLE, activated CD8+ lymphocytes in SLE pathogenesis, 201

Graves' disease, SLE/autoimmune thyroid disease susceptibility gene at 5q14.3-15, 3646

Grip strength, OA, hand strength in relation to radiographic features in, 1424

Growth hormone, in SLE, 3701

Guinea pig studies

OA, cruciate ligament laxity and femoral intercondylar notch narrowing in early-stage knee OA, 3100

OA, inhibition of MMPs in cartilage loss, 171 pioglitazone in experimental OA, 479

H

Hand. See also Fingers

OA, hand OA as predictor for future hip or knee OA, 3520 OA, hand strength in relation to radiographic features in, 1424

OA, high-resolution MRI for assessment, 2355 pachydermodactyly, 990, 2953

RA, age and OA at onset of symptoms, association with radiographic damage in, 2284

Haplotype analysis

number of polymorphic loci examined and, 674 RA, *PDCD1* haplotype associated with, 1058

Hashimoto thyroiditis, SLE/autoimmune thyroid disease susceptibility gene at 5q14.3-15, 3646

Headache, Afrin-induced CNS vasospasm and thunderclap headache, 3314

Health-related quality of life, SSc, correlation of dyspnea with in SSc with alveolitis, 592

Health state, OA, health state preferences, impact of disease severity and gastrointestinal side effects on, 2366

Health status

RA, high-dose chemotherapy followed by autologous hematopoietic stem cell transplantation, long-term followup of health status, 2272

RA and AS, TNF blockers in, 2506

Heart block. See Congenital heart block; Fetal heart block

Heart disease. See Cardiovascular disease

Heart failure, risk of in RA, 412, 3039

Heat-shock protein, anti-endothelial cell antibodies in vasculitisassociated systemic autoimmune diseases, 4028

Hematopoietic stem cell transplantation

RA, high-dose chemotherapy followed by autologous hematopoietic stem cell transplantation, long-term followup of health status, 2272

seronegative arthritis, sustained remission of, 3322

Heme oxygenase 1, collagen-induced arthritis, modulation in progression of, 3230

Hemodialysis, reduction in serum uric acid with sevelamer, 290

Heparan sulfate proteoglycans, RA, CXCL8 binding site on endothelial syndecan-3 in synovium, 2331

Hepatitis B virus, reactive systemic AA amyloidosis, infliximab treatment, 2519

Hepatitis C virus

chemokines and Th1 cytokines in HCV-associated mixed cryoglobulinemia vasculitis neuropathy, 2917

systemic vasculitis, PEGylated ÎFN alfa-2b and ribavirin treatment for, 911

Heredity. See also Familiality; Genetics

cartilage debonding syndrome, newly described, 3300

High-dose chemotherapy

RA, effect of ASCT and high-dose chemotherapy on joint damage, 421

RA, high-dose chemotherapy followed by autologous hematopoietic stem cell transplantation, long-term followup of health status, 2272

seronegative arthritis, sustained remission of, 3322

High mobility group box chromosomal protein 1, in SLE skin lesions, 3639

lip

OA, hip abduction moment and protection against knee OA progression, 3515

OA, acetabular dysplasia predicts incident hip OA, 787

Hip (cont'd)

OA, COL1A1 polymorphism and genetics in elderly women, 1431

OA, COL9A1 gene and, 1437

OA, correlates of hip cartilage volume, 1069

OA, hand OA as predictor for future hip or knee OA, 3520

OA, IL-1 gene cluster polymorphisms and pathogenesis of, 674

OA, no association between locus on chromosome 6 and hip OA,

OA, NSAIDs and radiologic progression of, 3137

OA, surgical outcomes following arthroplasty, racial/ethnic differences and, 3143

subchondral femoral head insufficiency fracture after renal transplantation, 1293

HIA

HLA-B*5703 in HIV infection and SpA, 275

RA, DERAA-encoding HLA alleles and RA severity and susceptibility, 2637

SLE, maternal HLA class II compatibility in men with, 2768

HLA-B27

AS, cell surface properties of HLA-B27 subtypes, 3290

AS, HLA-B27-restricted CD8+ T cell response to cartilage-derived peptides in, 892, 2581, 2582

AS, molecular evidence of HLA-B27 in historical case, 3318 SpA, association with in Sardinia and Italy, 3319

HLA-DR genes

anti-citrullinated protein antibody production and, 3424

RA, HLA-DR shared epitope alleles and cigarette smoking, 3675,

HLA-DR3

anti-CCP antibody-negative RA, association with, 3058

RA, regulation of anti-CCP antibodies in, 3813

HLA-DRB1 genes

RA, DEAA-encoding HLA alleles and severity and susceptibility,

RA, HLA-DRB1 alleles, new classification in, 1063

RA phenotype based on specificity of HLA-DRB1 shared epitope for citrullinated proteins, 3433

Hodgkin's disease, hypertrophic osteoarthropathy in children, 2584 Horse studies, synovial fluid levels and serum pharmacokinetics of oral glucosamine, 181

Hospital and attending physician volume of admissions and in-hospital mortality, 1628, 1646

Hsp60, anti-endothelial cell antibodies in vasculitis-associated systemic autoimmune diseases, 4028

Human immunodeficiency virus (HIV), HLA-B*5703 in HIV infection and SpA, 275

Human synovial fibroblasts. See Fibroblasts

Human umbilical vein endothelial cells (HUVECs), APS, involvement of p38 MAPK in antiphospholipid antibody-induced upregulation of tissue factor on, 1545

HuMax-IL15, IL-15 as therapeutic target in RA, 2585, 2686

Humoral autoimmunity, citrullinated proteins in, 2323

Humoral immunity, infliximab treatment of SpA, 2192

Hyaluronan

hyaluronan oligosaccharide-induced activation of transcription factors in bovine articular chondrocytes, 800

OA, clinical trials of disease-modifying OA drugs, lessons learned,

OA, serum hyaluronan levels as biomarker of radiographic OA, 105 Hydroxyapatite crystals, rotator cuff disorders and, 3681 Hydroxychloroquine

JIA, serum MTX concentrations in children and, 1621

RA, combination therapy, efficacy of, 2975

SLE, reduction of damage risk in, 1473

Hyperimmunoglobulinemia D with periodic fever syndrome, pseudodominant inheritance of, 3606

Hypertrophic osteoarthropathy, in childhood Hodgkin's disease, 2584

Hyperuricemia

febuxostat for gout, safety and efficacy, 916 sevelamer to reduce serum uric acid, 290 uric acid levels and diet, NHANES-III, 283

Hypoxia-inducible factor 1α, tonic activation of in avascular articular cartilage, 3181

1

Idiopathic inflammatory myopathy

antisynthetase-associated ILD, tacrolimus treatment, 2439 consensus guidelines for myopathy trials, 2607 seasonal associations with, 2433

Idiopathic vasculitides, Churg-Strauss syndrome, 2589, 2926 IgG, RA, T cell response to oxidative modification, 80

IgM anti-dsDNA antibodies, SLE, inhibition by, mouse study, 3629 IL-1 gene, cluster polymorphisms and OA pathogenesis, 674

IL1B gene, IL-1β gene promoter polymorphism and levels of IL-1β protein, 361, 362

ILIRN gene, RA susceptibility in Spanish population and, 3015 **Imaging**

angiography-negative primary CNS vasculitis in children, 2159 anterior cruciate ligament injury, cartilage glycosaminoglycan loss in acute phase, gadolinium-enhanced MRI, 120

AS, measurement of treatment effect on spinal radiographic progression in, 1979

AS, MRI assessment of spinal inflammation before and after etanercept treatment, 1216

AS, NSAIDs for reduction of radiographic progression, 1756 body composition and knee cartilage volume in healthy subjects, 461 carpal tunnel syndrome, value of sonography in patients with suspected, 304

cartilage defects and knee cartilage loss in healthy adults, 2033

GCA, cranial involvement in by MRI, 2470 hypertrophic osteoarthropathy in childhood Hodgkin's disease, 2584 JIA, assessment of radiographic change in, 2865

mechanical bull myopathy in SSc patient, 3682 mouse study, 951

OA, acetabular dysplasia predicts incident hip OA, 787

OA, acoustic properties of knee and ankle joint cartilage, 3125 OA, alignment in knee radiography for clinical trials of structuremodifying drugs, 1343, 1411

OA, bone loss on knee radiographs, 3536

OA, bone marrow abnormalities and cartilage degradation in knee OA. 2822

OA, cartilage loss on MRI and radiographic progression in, 3152 OA, correlates of hip cartilage volume, MRI, 1069

OA, correlating disease severity and MRI findings, 3492

OA, cruciate ligament integrity in knee OA, 794

OA, delayed gadolinium-enhanced MRI of knee OA, 3528 OA, high-resolution MRI for assessment of hand OA, 2355

OA, knee-alignment angle, radiographic assessment, 1730

OA, lateral view radiography to evaluate tibiofemoral joint space

width, 3542 OA, MRI bone marrow abnormalities and cartilage degradation in knee OA, 2822

OA, quantitative MRI assessment of cartilage morphology, 3132

OA, serum hyaluronan levels as biomarker of radiographic OA, 105 osseous sarcoidosis, radiographic healing, 2225

RA, age and OA at onset of symptoms, association with radiographic damage in, 2284

RA, antiferritin antibodies and radiographic damage in, 3868 RA, digital x-ray radiogrammetry as diagnostic tool, 3850

RA, predicting tendon rupture through MRI evidence, 744

RA, presentation and analysis of clinical trial radiographic data, 49 RA, sensitivity to change of MRI and radiography, 2300

RA, stromal cell-derived factor 1 chemokine gene variant and radiographic progression, 354

Imaging (cont'd)

RA, ultrasonographic synovitis scoring system for finger joint inflammation, 733

RA, ultrasonography for assessing, 681

SLE, MMP-9 in patients with neuropsychiatric SLE and brain MRI abnormalities, 673, 674

STAT-6-VT inhibition of osteoclastogenesis and bone erosion, mouse study, 2719

Study, 171

subchondral femoral head insufficiency fracture after renal transplantation, 1293

topoisomerase I cleavage during necrotic cell death, cathepsins and, 2133

tuberculous rice bodies of wrist, 1950

winners of 2004 Slide Competition, 679

Imatinib, lupus nephritis treatment, mouse study, 3987

Immune complex-mediated arthritis, IFNγ in, 967

Immunity

adaptive, regulation of arthritis by p53, mouse study, 1876 innate, in infection-triggered arthritis, mouse study, 1297

SSc, autologous stem cell transplantation, immune reconstitution following, 1555

Immunologic synapse, disruption of T cell/antigen-presenting cell interaction by teriflunomide, 2730

Immunotoxins, RA, targeting of synovial macrophages with anti-folate receptor β antibody and truncated *Pseudomonas* exotoxin, 2666 In appreciation, editor David S. Pisetsky, 1627

Inclusion body myositis, consensus guidelines for myopathy trials, 2607 Infection

HIV, HLA-B*5703 in, 1297

Moraxella catarrhalis-induced septic arthritis of prosthetic knee joint, anakinra treatment of, 1337, 1338

RA, fatal tuberculosis during infliximab treatment, 1334

RA, Strongyloides sterocoralis infection during etanercept treatment, 1336

RA treated with biologic agents, 3403

TNF antagonists and reactivation of latent tuberculosis, 1766 tuberculosis risk and anti-TNF treatment of RA, 1986, 2968

Infection-triggered arthritis, innate immunity and, mouse study, 1297

AS, MRI assessment of spinal inflammation before and after etanercept treatment, 1216

collagen-induced arthritis in mice, effect of small interfering RNA, 1314

dendritic cells and autoimmunity, 11

Fcγ receptor type I and joint inflammation in IFNγ-enhanced immune complex- mediated arthritis, 967

Fcy receptor type IIa in autoimmune inflammation, 3220 genetic control pathways of in Crohn's disease and PsA, 3596

gout, Toll-like receptors and, mouse study, 2936

joint, transient receptor potential vanilloid 1 in, mouse study, 3248 kininogen-deficient rats, modulation of, 2549

microparticles as regulators of, 3337

NEMO-binding domain peptide, antiinflammatory effects of, mouse study, 951

OA, correlating disease severity and MRI findings, 3492

RA, RANK/RANKL system in, 2307

RA, subchondral bone marrow and, 3448

RA, ultrasonographic synovitis scoring system for finger joint, 733 SLE, obesity and, 3651

Inflammatory polyarthritis

baseline C-reactive protein levels and prediction of death from cardiovascular disease in, 2293

subchondral bone marrow and, 3448

Infliximab

AS, anti-TNF therapy decreases anterior uveitis flares in, 2447 AS, efficacy and safety in, 582, 2506

Infliximab (cont'd)

JIA, refractory polyarticular, use in, 548

PsA, treatment of dermatologic and articular manifestations, 1227 psoriasis onset during treatment, 1333, 1334, 2513

RA, apoptosis induction in joint macrophages, 61

RA, C-reactive protein as predictor of treatment outcome, 42

RA, fatal tuberculosis during treatment, 1334

RA, infections in patients treated with biologic agents, 3403

RA, infliximab plus MTX, benefit in patients without clinical improvement, 1020, 4044, 4045

RA, infliximab plus MTX for poor-prognosis RA, 27

RA, prostaglandin E2 biosynthetic pathway and, 3439

in RA and AS, 2506

reactive systemic AA amyloidosis, improvement of renal function and disappearance of hepatitis B virus, 2519

SpA, intraarticular treatment, 1224

TNFα blockade and humoral immunity, 2192

uveitis, efficacy for treatment-resistant Behçet's uveitis, 2478

Injury. See Mechanical injury; Traumatic injury

In memoriam, Morris Ziff, 3323

Innate immunity, in infection-triggered arthritis, mouse study, 1297 Inorganic phosphate, OA, IL-8 and phosphate transporter/retrovirus receptor in chondrocyte phosphate uptake, 144

Insulin-like growth factor 1, chondrocyte anabolic activity promoted by, 3910

Integrin, disruption of T cell/antigen-presenting cell interaction by teriflunomide, 2730

Intent-to-treat principle, methodologic issues in superiority trials assessing structural outcomes, 1858

Intercondylar notch narrowing, in early-stage knee OA, guinea pig study, 3100

Interferon (IFN)

Sle2-associated component lupus phenotypes, contribution of type I deficiency, mouse study, 3063

SS, type I IFN in, 1185

Interferon-α (IFNα)

SLE, activation of IFNα pathway, 1491

SS, type I IFN in, 1185

systemic vasculitis, PEGylated IFN alfa-2b and ribavirin treatment for hepatitis C virus-related systemic vasculitis, 911

Interferon- β (IFN β)-deficient mice, exacerbation of collagen-induced arthritis, 3739

Interferon- γ (IFN γ)

acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

in immune complex-mediated arthritis, 967

Interferon-inducible genes, SLE, activation of IFN α pathway, 1491 Interferon type I (IFN-I) deficiency, *Sle2*-associated component lupus phenotypes, mouse study, 3063

Interleukin-1 (IL-1)

blockade, 1960

IL-17 receptor deficiency and impaired expression of, 3239

neonatal-onset multisystem inflammatory disease, IL-1 blockade by anakinra improves symptoms, 1283

OA, IL-1 in cartilage matrix degradation, 128

soluble IL-1 receptor accessory protein in collagen-induced arthritis, 2202

in systemic inflammation, 1960

T cell IL-17 overexpression in IL-1-deficient arthritic mice, 975 Interleukin-1β (IL-1β)

ADAMTS-9 induced by inflammatory arthritides in, 1451

IL-1β gene promoter polymorphism and levels of IL-1β protein, 361, 362

IL-1 β -induced COX-2 gene expression in human synovial fibroblasts, regulation by 15-deoxy- $\Delta^{12.14}$ -prostaglandin J_2 , 94

OA, chondrocytes, reactivity to, 136 OA, variations in innate cytokine activity and risk of, 1443 Interleukin-1\(\beta\) (IL-1\(\beta\)) (cont'd)

RA, proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770

RA, stimulation of IL-6 receptor shedding by, 84

Interleukin-1 receptor antagonist (IL-1Ra)

gene, polymorphism of and RA susceptibility, 3015

RA and deficiency of, 3731

rosiglitazone-induced IL-1Ra in rat synovial fibroblasts, 759

Interleukin-2 (IL-2), acute CD4+ T lymphocyte-dependent IL-1driven arthritis and, 3749

Interleukin-4 (IL-4)

acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

regulator of inflammatory arthritis, mouse study, 1866

Interleukin-6 (IL-6)

acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

RA, neutrophil recruitment in coculture model of synovium, 3460 RA, stimulation of IL-6 receptor shedding by IL-1 β and TNF α , 84 reactive arthritis and, mouse study, 2530

systemic JIA, anti-IL-6 receptor antibody in, 818 systemic JIA, IL-6 receptor as treatment, 687

Interleukin-7 (IL-7), RA, stimulation of cell contact-dependent activation of, 1700

Interleukin-8 (IL-8)

OA, phosphate transporter/retrovirus receptor and CXCR2mediated inorganic phosphate uptake in chondrocytes, 144

RA, CXCL8 binding site on endothelial syndecan-3 in synovium, 2331

Interleukin-10 (IL-10)

collagen-induced arthritis, intranasal gene therapy delivery system, 3761

variations in innate cytokine activity and risk of OA, 1443

Interleukin-10 receptor, RA, receptor α chain expression in synovium, animal models, 3315

Interleukin-12 (IL-12), acute CD4+ T lymphocyte-dependent IL-1driven arthritis and, 3749

Interleukin-15 (IL-15), as therapeutic target in RA, 2585, 2686

Interleukin-17A (IL-17A), T cell IL-17 overexpression in IL-1deficient arthritic mice, 975

Interleukin-17 receptor, streptococcal cell wall-induced arthritis and, mouse study, 3239

Interleukin-18 receptor, SLE, signaling and autoantibody production and end-organ disease in, mouse study, 984

Interleukin-21 receptor, SSc, expression altered in keratinocytes, 856 Interleukin-22 (IL-22), in RA, 1037

Intermargin distance, OA, alignment in knee radiography for clinical trials of structure-modifying drugs, 1411

Interstitial lung disease, antisynthetase-associated, tacrolimus treatment, 2439

Interstitial pneumonitis, in RA, association of CD4+ T cells with, 73 Intima-media thickening, in SS, 3890

Intraarticular injection

antigen-induced arthritis, promotion of MTX induction and antiin-flammatory effects by sonoporation, rabbit study, 2559

glucocorticoid treatment reduces inflammation in synovial cell infiltrations, 3880

JIA, corticosteroids for temporomandibular arthritis in children with JIA, 3563

knee, radiation synovectomy vs. intraarticular glucocorticoid treatment, 3391

methylprednisolone therapy and cortisol secretion, 924

OA, clinical trials of disease-modifying OA drugs, lessons learned, 3349

sarcoid arthritis, etanercept treatment, 987

SpA, infliximab in, 1224

Intranasal delivery, collagen-induced arthritis, IL-10 gene therapy, 3761

Intravital video microscopy, leukocyte trafficking into ankle joint in chronic RA mouse model, 3269

In vitro studies

ADAMTS-1 in cartilage growth, development, and inflammatory arthritis, mouse study, 1461

ADAMTS-9 induced by IL-1 β and TNF α in inflammatory arthritides, 1451

antigen microarray profiling of RA autoantibodies, 2645

APS, involvement of p38 MAPK in antiphospholipid antibodyinduced up-regulation of tissue factor on HUVECs, 1545

C43S TRAPS mutation and TNFα-induced signaling, 1287, 2952 dehydroascorbate transport in human chondrocytes, 2676

gene expression after cartilage injury, 2386

generation of covalent RNA-protein complexes by ultraviolet B irradiation, 1160

membrane type 1-MMP inhibition and reduced invasiveness of RA synovial fibroblasts, 2010

OA, IL-1 and TNFα in cartilage degradation, 128

OA, IL-8 and phosphate transporter/retrovirus receptor in chondrocyte phosphate uptake, 144

OA, inhibitor of MMPs in cartilage loss, 171

OA, molecular markers of lipid peroxidation in OA cartilage, 2799

OA, reactivity of OA chondrocytes to IL-1β, 136

OA, variations in innate cytokine activity and risk of OA, 1443 proteoglycan 4 in synovial fluid, inhibition of integrative cartilage repair by, 1091

RA, CXCL8 binding site on endothelial syndecan-3 in synovium, 2331

RA, IL-7 stimulates cell contact-dependent activation of CD4+ T cells and macrophages, 1700

RA, neutrophil recruitment in coculture model of, 3460

RA, prostaglandin E₂ pathway, antirheumatic treatments with, 3439
 RA, stimulation of IL-6 receptor shedding by IL-1β and TNFα, 84
 RA, targeting of synovial macrophages with anti-folate receptor β antibody and truncated *Pseudomonas* exotoxin, 2666

RA, T cell response to oxidatively modified IgG, 80

RA and OA, kappa and delta opioid receptors in fibroblast-like synoviocytes in, 1402

regulation of pyrin subcellular localization by 14.3.3 proteins, 1848 salivary gland epithelial cell exosomes, 1517

SLE, reduced sensitivity to CD4+,CD25+ regulator T cells in murine lupus, 1180

SSc, transcriptosome analysis of nonlesional dermal fibroblasts in, 865

 $TNF\alpha$ production in RA synoviocytes, regulation by butyrate, 2697 topoisomerase I cleavage during necrotic cell death, cathepsins and, 2133

Ischemic cerebrovascular accident, COX-2 inhibitors and, 1968

J

Japanese population, RA, association of single-nucleotide polymorphisms in SEC8L1 gene in, 1371

JNK, inhibition of bone erosion by STAT-6-VT by blockade of, mouse study, 2719

Joint arthroplasty, OA, surgical outcomes following knee or hip arthroplasty, racial/ethnic differences and, 3143

Joint damage. See also Joints

JIA, development and validation of clinical index for, 2092 knec OA, MRI bone marrow abnormalities and cartilage degrada-

OA and early RA, type II collagen helical peptide in, 1081

pristane-induced arthritis, Cia10 effects on, rat study, 322 RA, age and OA at onset of symptoms, association with radio-

graphic damage in, 2284 RA, early, prednisolone plus DMARDs in, 3324, 3360, 3371 Joint damage. See also Joints (cont'd)

RA, effect of high-dose chemotherapy and ASCT on, 421

RA, sensitivity to change of MRI and radiography, 2300

RA, ultrasonography for assessing, 681

Joint degeneration, cartilage coefficient of friction, 1632 Joint destruction

RA, fibroblast-like synoviocyte invasiveness and, 1999

RA, infliximab plus MTX, benefit in patients without clinical improvement, 1020, 4044, 4045

RA, sensitivity to change of MRI and radiography, 2300

Joint fluid. See Synovial fluid

Joint lubrication, synovial fluid boundary lubrication following injury. rabbit study, 1746

Joint repair

autologous transplantation of basic fibroblast growth factor genetransduced chondrocytes with adeno-associated virus vector, rabbit study, 164

bone morphogenetic protein 2 for tissue engineering in cartilage repair, 155

Joints. See also Joint damage

collagen-induced arthritis, small interfering RNA and joint inflammation in mice, 1314

dehydroascorbate transport in human chondrocytes, 2676

Fcy receptor I and joint inflammation in IFNy-enhanced immune complex-mediated arthritis, 967

OA, knee, weight loss and reduction of knee-joint load in older obese adults, 2026

pachydermodactyly, 990, 2953

RA, anti-TNF therapy and apoptosis induction in joint macrophages, 61

RA. articular, radiographic, laboratory, and functional status improved from 1985 to 2000, 991, 1009

RA, CXCL16 recruits memory T cells into rheumatoid joints, 1381

RA, individual joint pathology in, 672, 673

RA, ultrasonography for assessing, 681

transient receptor potential vanilloid 1 in joint inflammation, mouse study, 3248

Joint space narrowing

MMP-3 as biomarker of OA progression, 3160

OA, alignment in knee radiography for clinical trials of structuremodifying drugs, 1343, 1411

OA, oral doxycycline to slow radiographic progression, 1956, 2015 RA, age and OA at onset of symptoms, association with radiographic damage in, 2284

Joint space width, RA, digital x-ray radiogrammetry as diagnostic tool, 3850

Joint stability, OA, anteroposterior laxity and knee OA progression,

Juvenile Arthritis Damage Index (JADI), clinical index for JIA, 2092 Juvenile chronic arthritis (JCA), nomenclature and classification in chronic childhood arthritis, 382

Juvenile enthesitis-related arthritis, KIR3DL2 in, 3586

Juvenile idiopathic arthritis (JIA)

ANA in, 826

assessment of radiographic change in, 2865

bone mass and bone turnover in early JIA, 833

damage assessment in, 2092

disease activity patterns in, 3554

hydroxychloroquine and serum MTX concentrations in children with, 1621

IL-6 receptor as treatment, 687

infliximab, efficacy and safety of, 548

meloxicam vs. naproxen for, clinical trial, 563

nomenclature and classification in chronic childhood arthritis, 382

psychological stress and exacerbation of, 16

PTPN22 as autoimmunity gene, 1694

SLC11A1 (NRAMP1) genetics in, 247

Juvenile idiopathic arthritis (JIA) (cont'd)

systemic onset, efficacy of anti-IL-6 receptor antibody, 818

WISP3 polymorphisms and susceptibility to, 3548

Juvenile rheumatoid arthritis (JRA)

anti-CCP antibodies in, 239

nomenclature and classification in chronic childhood arthritis, 382 polyarticular course, safety and efficacy of leflunomide, 554

Juvenile SpA, anti-TNFα treatment of, 2103

Kallikrein, tissue pattern of endothelial cells in SSc, 3618

Kallikrein-kinin system, kininogen deficiency to modulate inflammation of arthritis, 2549

Kallistatin, gene therapy for RA, rat study, 1319

Kidneys

APS, antiphospholipid antibodies in pathogenesis of, 988

BAFF overexpression and accelerated glomerular disease in mice predisposed to SLE, 2080

Dalmation defect: hepatic endocrinopathy of urate transport, 2257 lupus nephritis, anti-CD20 therapy, 371

lupus nephritis, cross-reactive anti-dsDNA/anti-α-actinin antibodies and induction of renal disease, 522

lupus nephritis, effect of fractalkine antagonist on, mouse study,

lupus nephritis, single-dose C-reactive protein, mouse study, 378 lupus nephritis, therapeutic B cell depletion therapy, 501, 4080, 4081 reduction in serum uric acid with sevelamer in hemodialysis patients,

SLE, anti-DNA antibodies and glomerulonephritis, 2403

SLE, anti-dsDNA antibody levels and renal flare in, 1129

SLE, BAFF overexpression and accelerated glomerular disease,

SLE, PDCD1 polymorphism and renal manifestations in mice, 1665 SLE, enhanced lipid peroxidation associated with renal disease, 192 SLE, reversal of proteinuria in autoimmune mice by treatment with C-reactive protein, 642

subchondral femoral head insufficiency fracture after renal transplantation, 1293

suppressive oligodeoxynucleotides of lupus-like disease, mouse study, 651

Killer immunoglobulin-like receptors, SpA, KIR3DL2 in, 3586 Kininogen deficiency modulates inflammation of arthritis, 2549

anterior cruciate ligament injury, cartilage glycosaminoglycan loss in acute phase, gadolinium-enhanced MRI, 120

antigen-induced arthritis, promotion of MTX induction and antiinflammatory effects by sonoporation, rabbit study, 2559 arthroplasty, trends in US 1990-2000, 3928

BMD associated with bone marrow lesions, 2814

body composition and knee cartilage volume in healthy subjects, 461 cartilage defects and knee cartilage loss in healthy adults, 2033 chronic arthritis, peripheral µ-opioid receptor expression down-

regulated in, 3210 heritability of longitudinal changes in knee structure, 2830

immune complex-mediated arthritis, IFNy in, 967 OA, acoustic properties of knee and ankle joint cartilage, 3125

OA, alignment in radiography for clinical trials of structuremodifying drugs, 1343, 1411

OA, anteroposterior laxity and OA progression, 2343

OA, assessment of knee-alignment angle, 1730

OA, association of knee height and knee pain, 1418

OA, BMD associated with bone marrow lesions, 2814

OA, bone loss on knee radiographs, 3536

OA, cartilage loss on MRI and radiographic progression in, 3152

OA, chondroitins 4 and 6 sulfate treatment, 779

OA, correlating disease severity and MRI findings, 3492

OA, cruciate ligament integrity in, 794

Knee (cont'd)

OA, cruciate ligament laxity and femoral intercondylar notch narrowing in early-stage disease, guinea pig study, 3100

OA, delayed gadolinium-enhanced MRI of, 3528 OA, experimental, PD-0200347 in, dog study, 488

OA, experimental, PD-0200347 in, dog study, 488 OA, experimental, pioglitazone in, guinea pig study, 479

OA, hand, as predictor for future hip or knee OA, 3520

OA, hip abduction moment and protection against progression, 3515

OA, knee stabilization in medial compartment, 2845

OA, lateral view radiography to evaluate joint space width, 3542

OA, matrix metabolism in cartilage lesions, 112

OA, medial compartment, secondary gait changes in, 2835

OA, MMP-3 as biomarker of disease progression, 3160

OA, moderate exercise and glycosaminoglycan content in cartilage, 3507

OA, MRI bone marrow abnormalities and cartilage degradation in knee OA. 2822

OA, NSAIDs and radiologic progression of, 3137

OA, oral doxycycline to slow radiographic progression, 1956, 2015

OA, radiation synovectomy vs. intraarticular glucocorticoid treatment, 3391

OA, radiographic, serum hyaluronan levels as biomarker of, 105 OA, surgical outcomes following arthroplasty, racial/ethnic differ-

OA, surgical outcomes following arthroplasty, racial/ethnic differences and, 3143

OA, weight loss and reduction of knee-joint load in older obese adults, 2026

pain in older adults, influence of "pain elsewhere" on outcomes, 2350

prevalent and incident knee cartilage defects, loss of tibial and patellar cartilage, 3918

SpA, intraarticular infliximab in, 1224

synovial fluid boundary lubrication following injury, rabbit study, 1746

T cell IL-17 overexpression in IL-1-deficient arthritic mice, 975 transient receptor potential vanilloid 1 in knee inflammation, mouse study, 3248

Ku protein, anti-Ku autoantibodies and DPB1*, 668

L

La/SSB epitopes, exposure and binding of on apoptotic cells, 3934 Leflunomide

disruption of T cell/antigen-presenting cell interaction by teriflunomide, 2730

JRA, polyarticular course, leflunomide safety and efficacy in, 554 Leg length, association of knee height, knee pain, and knee OA, 1418 Leukemia inhibitory factor, acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

Leukocytes

cutaneous lupus erythematosus, amplification cycle triggering, 1504 RA, neutrophil recruitment in coculture model of synovium, 3460 RA, trafficking into ankle joint in mouse model, 3269

Leuprolide acetate, SLE, gonadotropin-releasing hormone analog for ovarian protection during cyclophosphamide treatment, 2761

Lipid peroxidation, molecular markers of in OA cartilage, 2799 Lipid raft signaling, in B lymphocytes in SLE, 3955

Lipopolysaccharide, variations in innate cytokine activity and risk of

OA, 1443

Listeria monocytogenes, septic arthritis in etanercept-treated patient,

987 Livedo reticularis, APS, dermatologic manifestations of, 1785

Liver, Dalmation defect, hepatic endocrinopathy of urate transport,

Local injection-induced arthritis, plasminogen deficiency of in different RA models, 2541

Lockshin, Dr. Michael D., new editor, 1951

LUMINA cohort

SLE, influence of menopause in study patients, 1655

LUMINA cohort (cont'd)

SLE, risk factors for venous thrombosis in study patients, 2060 Lumiracoxib, cardiovascular events and, 1968

Lunge

antisynthetase-associated interstitial lung disease, tacrolimus treatment, 2439

pulmonary arterial hypertension, prevalence in community practices, 2125

SSc, eicosanoids in pathogenesis of lung disease in, 3693, 3783 SSc, pulmonary arterial hypertension in diagnosis of, 3698, 3792

SSc, serum pulmonary and activation-regulated chemokine/CCL18 levels in, 2889

Lupus anticoagulant

prolonged bleeding time and, 1949

as risk factor for venous thrombosis in LUMINA study patients, 2060

Lupus nephritis

anti-CD20 therapy, 371

anti-DNA antibodies and glomerulonephritis, 2403

cross-reactive anti-dsDNA/anti-α-actinin antibodies and induction of renal disease, 522

fractalkine antagonist and, mouse study, 1522

imatinib treatment, mouse study, 3987

single-dose C-reactive protein, mouse study, 378

therapeutic B cell depletion therapy, 501, 4080, 4081

Luteinizing hormone, in SLE, 3701

Lymph nodes, RA, RANK/RANKL system in inflammation, 2307 Lymphocytes

RA, free radical production by rheumatoid synovial T lymphocytes, 2003

RA, T cell response to oxidatively modified IgG in, 80

refractory ANCA-associated vasculitis, B lymphocyte depletion for, 262

SLE, activated CD8+ lymphocytes in pathogenesis, 201

SLE, P-glycoprotein expression and relevance to steroid resistance, 1676

Lymphoid neogenesis, RA, subchondral bone marrow and, 3448Lymphoneogenesis, SS, CXCL13 and CCL21 expression and lymphoid features in, 1773

Lymphotoxin, in autoimmune arthritis, 3202

Lyn, SLE, expression in B cells in, 3955

Lysosomes, topoisomerase I cleavage during necrotic cell death, cathepsins and, 2133

M

M40403

collagen-induced arthritis, combination therapy with dexamethasone, rat study, 1929

collagen-induced arthritis, combination therapy with MTX, rat study, 3755

Macrophage colony-stimulating factor, nurse-like cells from RA patients and bone loss, 3819

Macrophages

acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

RA, anti-TNF therapy and apoptosis induction in joint macrophages, 61

RA, CXCL16 recruits memory T cells into rheumatoid joints, 1381 RA, IL-7 stimulates cell contact-dependent activation of, 1700

RA, migration inhibitory factor, correlation with severity, 3020 RA, targeting of synovial macrophages with anti-folate receptor β antibody and truncated *Pseudomonas* exotoxin, 2666

Magnetic resonance imaging (MRI)

AS, spinal inflammation before and after etanercept treatment, 1216 gadolinium-enhanced, cartilage glycosaminoglycan loss in acute phase of anterior cruciate ligament injury, 120

GCA, cranial involvement in by MRI, 2470

Magnetic resonance imaging (MRI) (cont'd)

OA, cartilage loss on MRI and radiographic progression in, 3152

OA, correlates of hip cartilage volume, 1069

OA, correlating disease severity and MRI findings, 3492 OA, cruciate ligament integrity in knee OA, 794

OA, hand, high-resolution MRI for assessment of, 2355

OA, knee, bone marrow abnormalities and cartilage degradation in, 2822

OA, knee, delayed gadolinium-enhanced MRI of, 3528

OA, quantitative assessment of cartilage morphology, 3132

RA, individual joint pathology in, 672, 673

RA, infliximab plus MTX for poor-prognosis RA, evidence of synovitis and damage, 27

RA, predicting tendon rupture through MRI evidence, 744

RA, sensitivity to change of MRI and radiography, 2300 SLE, MMP-9 in patients with neuropsychiatric SLE and brain MRI

abnormalities, 673, 674 subchondral femoral head insufficiency fracture after renal transplantation, 1293

tuberculous rice bodies of wrist, 1950

Major histocompatibility complex (MHC)

class II MHC-peptide tetramers for detection of CD4+ T cells, mouse study, 1885

RA, TNF and class II MHC expression on myeloid cells, 451 Malignancy

DM associated with, 3712

risk of in SSc. 2415

SLE and cancer, international cohort study, 1481

Mannose-binding lectin, gene polymorphisms in SLE, 3966

Marenostrin, regulation of pyrin subcellular localization by 14.3.3 proteins, 1848

Maternal HLA class II compatibility in men with SLE, 2768

Matrix metalloproteinase 3 (MMP-3)

biomarker of OA progression, 3160

IL-17 receptor deficiency and impaired expression of, 3239

SS, acinar damage and MMP-3/TIMP-1 and MMP-9/TIMP-1 imbalance and, 2751

Matrix metalloproteinase 9 (MMP-9)

IL-17 receptor deficiency and impaired expression of, 3239

SLE, increased MMP-9 in patients with neuropsychiatric SLE and brain MRI abnormalities, 673, 674

SS, acinar damage and MMP-3/TIMP-1 and MMP-9/TIMP-1 imbalance and, 2751

Matrix metalloproteinase 13 (MMP-13)

IL-17 receptor deficiency and impaired expression of, 3239

Matrix metalloproteinases (MMPs)

abnormal expression in OA chondrocytes and epigenetic "unsilencing," 3110

OA, inhibition of MMPs in cartilage loss in vitro, and in guinea pig model, 171

RA, membrane type 1-MMP inhibition and reduced invasiveness of synovial fibroblasts, 2010

Mechanical bull myopathy, in SSc patient, 3682

Mechanical injury

anterior cruciate ligament injury, cartilage glycosaminoglycan loss in acute phase, gadolinium-enhanced MRI, 120

gene expression after cartilage injury, 2386

synovial fluid boundary lubrication following injury, rabbit study, 1746

Medial compartment knee OA

knee stabilization in, 2845

secondary gait changes in, 2835

Medial-tibial cartilage volume, body composition and knee cartilage volume in healthy subjects, 461

Medial tibial plateau alignment, OA, alignment in knee radiography for clinical trials of structure-modifying drugs, 1411 MEFV gene

recurrent fever in western European patients, 3603

regulation of pyrin subcellular localization by 14,3.3 proteins, 1848 Meloxicam, vs. naproxen in JIA, 563

Membrane type I-MMP, inhibition of and reduced invasiveness of RA synovial fibroblasts, 2010

Menopause, influence of in LUMINA study patients, 1655

Mesenchymal stem cells

synovium as superior source of, 2521

TNFα, reversal of immunosuppressive properties in collageninduced arthritis, mouse study, 1595

Metalloproteinases

disintegrin ADAM15 and degenerative cartilage remodeling in OA, 1100

OA, human β -defensin in tissue remodeling, mouse study, 1736 Methotrexate (MTX)

adjuvant-induced arthritis, electroporation to enhance effect, 637 ANCA-associated vasculitis, MTX vs. cyclophosphamide to induce

remission, 2461 antigen-induced arthritis, promotion of MTX induction and antiinflammatory effects by sonoporation, rabbit study, 2559

collagen-induced arthritis, combination therapy with M40403, rat study. 3755

folic acid and folinic acid supplements and, 1338, 1339, 3030

genetic resistance to in air-pouch model of acute inflammation, 2567 JIA, hydroxychloroquine and serum MTX concentrations in chil-

dren with, 1621

JIA, refractory polyarticular, infliximab plus MTX in, 548

juvenile DM, MTX plus aggressively tapered corticosteroids for, 3570

RA, combination therapy with intramuscular gold, 1360

RA, combination therapy, efficacy of, 2975

RA, drug efflux transporters, 670, 671, 672

RA, reduction of efficacy by folic acid, 3030

RA, infliximab plus MTX, benefit in patients without clinical improvement, 1020, 4044, 4045

RA, infliximab plus MTX for poor prognosis, 27

RA, MTX plus abatacept (CTLA-4Ig) treatment, 2229, 2263

RA, phenotypes in metabolism of MTX to 7-hydroxymethotrexate, 356

RA, presentation and analysis of clinical trial radiographic data, 49 superoxide dismutase mimetic, synergistic interaction between, rat study, 3755

for WG, 2237

Methylenetetrahydrofolate reductase, molecular mechanisms and variability in drug response, 1349

Methylprednisolone, intraarticular corticosteroid therapy and cortisol secretion, 924

Met-RANTES, adjuvant-induced arthritis, amelioration by, rat study, 1907

Microarrays, antigen microarray profiling of RA autoantibodies, 2645 Microbubble-enhanced ultrasound, antigen-induced arthritis, promotion of MTX induction and antiinflammatory effects by sonoporation, rabbit study, 2559

Microchimerism, SLE, maternal HLA class II compatibility in men with SLE, 2768

Microfibril-associated glycoprotein 2, increased expression of type I collagen and, mouse study, 1812

Microparticles, as regulators of inflammation, 3337

Microscopic polyangiitis, ANCA-associated vasculitis, MTX vs. cyclophosphamide to induce remission, 2461

Microscopy, RA, leukocyte trafficking into ankle joint in mouse model, 3269

Microsomal prostaglandin E synthase 1, RA treatment and expression of, 3439

Microvascular thrombosis, APS, dermatologic manifestations of, 1785 MIF gene, correlation with RA severity, 3020

Minor salivary glands, SS, gene expression profiling of, 1534

Miscarriage. See Fetal loss

Mixed connective tissue disease, pulmonary arterial hypertension, prevalence in community practices, 2125

Mixed cryoglobulinemia

chemokines and Th1 cytokines in hepatitis C virus-associated cryoglobulinemia vasculitis neuropathy with, 2917

systemic vasculitis, PEGylated IFN-alfa-2b and ribavirin treatment for hepatitis C virus-related systemic vasculitis, 911

Monarthritis

peripheral µ-opioid receptor expression down-regulated in, 3210 peripheral µ-opioid receptors as potential therapy targets, 2955 spontaneous circadian behavior in monarthritic rats, 3470

Monkey studies

CCR5 antagonist for inhibition of rhesus monkey collagen-induced arthritis, 627

RAGE expression by articular chondrocytes, 2376

Monoclonal antibodies. See names of individual drugs

RA, CD64+, Toll-like receptor 2 and 4 expression on, 2227 or 2 and 4 expression on CD64+ monocytes, 2227 ribosomal P epitope expression by, 847

Monocytosis, SLE, Yaa gene-linked, mouse study, 2790

Mononuclear cells

RA, targeting of synovial macrophages with anti-folate receptor β antibody and truncated Pseudomonas exotoxin, 2666

RA, TP53 and apoptosis effects in, 1047

Monosodium urate monohydrate, gouty inflammation and Toll-like receptors 2 and 4 and myeloid differentiation factor 88 expression, mouse study, 2936

Mood, polyarticular arthritis, stress, and symptoms in children with, 1196

Moraxella catarrhalis-induced septic arthritis, of prosthetic knee joint, anakinra treatment, 1337, 1338

hospital and attending physician volume of admissions and inhospital mortality, 1628, 1646

inflammatory polyarthritis, baseline C-reactive protein levels and prediction of death from cardiovascular disease in, 2293

RA, cardiovascular death in, 722

RA, increased unrecognized coronary heart disease and sudden death in, 402

SS, mortality and causes of death in primary SS, 369 Mouse studies

ADAMTS-1 in cartilage growth, development, and inflammatory arthritis, 1461

adaptive immunity in p53 regulation of arthritis, 1876

antiphospholipid antibody-mediated thrombophilia, complement activation and, 2120

anti-type II collagen antibodies, arthritogenic capacity of, 1897 arthropathy-accelerating MRL locus in DBA/1 mice, 959

BAFF overexpression and accelerated glomerular disease in mice predisposed to SLE, 2080

class II MHC-peptide tetramers for detection of CD4+ T cells, 1885 collagen-induced arthritis, angiotensin receptor blockers for amelioration of, 1920, 3678, 4047

collagen-induced arthritis, CXCL13 and, 620

collagen-induced arthritis, dipeptidyl peptidase I and, 2553

collagen-induced arthritis, erythropoietin effects on, 940

collagen-induced arthritis, exacerbation in IFN-β-deficient mice,

collagen-induced arthritis, gene therapy targeting Tie2, 1585 collagen-induced arthritis, heme oxygenase 1 modulation in progres-

collagen-induced arthritis, intranasal IL-10 gene therapy delivery

system, 3761 collagen-induced arthritis, Nur77 overexpression and, 333 Mouse studies (cont'd)

collagen-induced arthritis, reversal of immunosuppressive properties of mesenchymal stem cells by TNFa, 1595

collagen-induced arthritis, small interfering RNA and joint inflam-

collagen-induced arthritis, soluble IL-1 receptor accessory protein to ameliorate, 2202

collagen-induced arthritis, suppression by chebulagic acid, 345 collagen-induced arthritis, sympathetic nervous system and, 1305

collagen-induced arthritis, treatment with CD25+ regulatory T cells, 2212

Egr2/Krox20 in dexamethasone-mediated osteocalcin repression,

Fey receptor type IIa in autoimmune inflammation, 3220

gouty inflammation, Toll-like receptors 2 and 4 and myeloid differentiation factor 88 expression and, 2936

IL-17 receptor and cartilage destruction in streptococcal cell wallinduced arthritis, 3239

inflammatory arthritis, IL-4 as regulator of, 1866

innate immunity in infection-triggered arthritis, 1297

La/SSB epitopes, exposure and binding of on apoptotic cells, 3934 lupus nephritis, effect of fractalkine antagonist on, 1522

lupus nephritis, imatinib treatment, 3987

lupus nephritis, single-dose C-reactive protein therapy, 378

lymphotoxin regulates T cell response and autoimmunity, 3202 membrane type 1-MMP inhibition and reduced invasiveness of RA synovial fibroblasts, 2010

MTX, genetic resistance to in air-pouch model of acute inflammation, 2567

Myeloid differentiation factor 88, gouty inflammation and, 2936

myositis, endoplasmic reticulum stress response in, 1824 NEMO-binding domain peptide, antiinflammatory effects of, 951

OA, extracellular superoxide dismutase and oxidant damage in, 3479 OA, human β -defensin in tissue remodeling, 1736

OA, metalloproteinase disintegrin ADAM15 and degenerative cartilage remodeling, 1100

oligodeoxynucleotides, suppressive oligodeoxynucleotides of lupuslike disease, 651

osteoblasts, osteocalcin, Egr2/Krox20 in dexamethasone-mediated osteocalcin repression, 929

plasminogen deficiency of in different RA models, 2541

protease-activated receptor, role in arthritis severity, 1325

proteoglycan-induced arthritis, Fcy receptor type III involvement in development of, 1612

proteoglycan-induced arthritis, imaging inflammation in chronic murine ankle arthritis, 3269

proteoglycan-induced spondylitis, genetic control of, 2452

RA, IL-1 receptor antagonist deficiency and, 3731 RA. RANK/RANKL/osteoprotegerin system in, 2960

reactive arthritis, IL-6 contribution to, 2530 reversal of proteinuria in autoimmune mice by treatment with

C-reactive protein, 642

SLE, genetic origin of in SWR/NZB hybrids, 659

SLE, granzyme B in autoimmunity, 1684

SLE, IL-18 receptor signaling and autoantibody production and end-organ disease in, 984

SLE, inhibition by IgM anti-dsDNA antibodies, 3629

SLE, PDCD1 polymorphism and renal manifestations, 1665

SLE, prevention and reversal by costimulatory blockade with adenoassociated virus-mediated gene transfer, 3975

SLE, reduced sensitivity to CD4+, CD25+ regulator T cells in, 1180 SLE, Sle2-associated component lupus phenotypes, 3063

SLE, tolerance breaking by dendritic cells without SLE disease expression, 225

SLE, Yaa gene-linked monocytosis, 2790

SSc, microfibril-associated glycoprotein 2, increased expression of type I collagen and, 1812

Mouse studies (cont'd)

STAT-6-VT inhibition of osteoclastogenesis and bone erosion, 2719 suppressive oligodeoxynucleotides of lupus-like disease, 651 synovitis and cartilage degeneration and overexpression of cathepsin K. 3713

T cell IL-17 overexpression in IL-1-deficient arthritic mice, 975Toll-like receptors 2 and 4, gouty inflammation and myeloid differentiation factor 88 expression, 2936

TNF prevents alendronate-induced osteoclast death, 2708

Toll-like receptors, reactive arthritis, 2233

transient receptor potential vanilloid 1 in knee inflammation, 3248 V_14 NKT cells in murine arthritis, 1941

Muscle, autoimmune myositis, endoplasmic reticulum stress response in, 1824

Muscle mass, body composition and knee cartilage volume in healthy subjects, 461

Muscle strength, Childhood Myositis Assessment Scale, validation and clinical significance of, 368

Mutations. See also Genetics; Polymorphism

Behçet's disease, TNFRSF1A R92Q mutation and risk of venous thrombosis in, 608, 2582

C43S TRAPS mutation and TNF α -induced signaling, 1287, 2952 CINCA syndrome, CIAS1 somatic mosaicism in, 3579

gout, SLC22A12 mutation as suppressing factor for, 2576

hyperimmunoglobulinemia D with periodic fever syndrome, pseudodominant inheritance of, 3606 recurrent fever in western European patients, MEFV analysis and,

SLE, Yaa gene-linked monocytosis, mouse study, 2790

sporadic chondrocalcinosis, ANKH sequence variants and, 1110 TRAPS-related TNFRI mutants, 2906

Mycobacterium tuberculosis, tuberculous rice bodies of wrist, 1950Myeloid differentiation factor 88, gouty inflammation and, mouse study, 2936

Myocardial infarction, COX-2 inhibitors and, 1968

Myopathy, mechanical bull myopathy in SSc patient, 3682 Myositis

endoplasmic reticulum stress response in, 1824

idiopathic inflammatory myopathies, consensus guidelines for myopathy trials, 2607

seasonal associations with, 2433

N

N-Acetyltransferase, molecular mechanisms and variability in drug response, 1349

NALP3 gene, systemic multisystem syndromes and anakinra, 1960 Naproxen, JIA, meloxicam vs. naproxen for, clinical trial, 563 National Bone and Joint Decade, 707

Natural killer cells (NK cells), killer immunoglobulin-like receptor KIR3DL2 in SpA, 3586

Necrosis

RA, fibroblast activation by necrotic synovial fluid cells via Toll-like receptor 3, 2656

topoisomerase I cleavage in, 2133

NEMO-binding domain peptide, antiinflammatory effects of, 951 Neonatal lupus syndrome, fetal heart block, anti-SSA/Ro 52-kd antibodies and 366

Neonatal-onset multisystem inflammatory disease (NOMID). See also Chronic infantile neurologic, cutaneous, articular syndrome IL-1 blockade by anakinra improves symptoms, 1283

Nephritis, lupus. See Lupus nephritis

Nephrotoxic nephritis, C-reactive protein reverses proteinuria in autoimmune mice, 642

Neuropathy, chemokines and Th1 cytokines in hepatitis C virusassociated mixed cryoglobulinemia vasculitis neuropathy, 2917 Neuropsychiatric lupus

electroencephalographic assessment of, 841

Neuropsychiatric lupus (cont'd)

elevated levels of soluble fractalkine in, 1670 MMP-9 in and brain MRI abnormalities, 673, 674

New Zealand cohort, association of *PTPN22* variant with RA in, 2222 NF45 and NF90, SLE, granzyme B in autoimmunity, mouse study, 1684

NF-KB

Behçet's disease pathogenesis and, 2179

inhibition of bone erosion by STAT-6-VT by blockade of, mouse study, 2719

NEMÓ-binding domain peptide, antiinflammatory effects of, mouse study, 951

NK T cells (NKT cells), $V_{\alpha}14$ NKT cells in murine arthritis, 1941 Nonsteroidal antiinflammatory drugs (NSAIDs)

AS treatment, 1634

OA, health state preferences, impact of disease severity and gastrointestinal side effects on, 2366

OA, radiologic progression of, 3137

reduction of radiographic progression of AS with, 1756 spontaneous circadian behavior in monarthritic rats, 3470

NRAMP1 gene, in JIA, 247

Nuclear autoantigens, SSc, proteasome-dependent processing of topoisomerase I, 877

Nur77, overexpression inhibits collagen-induced arthritis, mouse study, 333

Nurse-like cells, RA, and bone loss, 3819

0

Obesity

functional capacity and inflammation in SLE and, 3651 weight loss and reduction of knee-joint load in knee OA, 2026 OCTN gene cluster, PsA, common genetic control pathways of inflam-

mation for Crohn's disease and, 3596

Older adults

knee pain, influence of "pain elsewhere" on outcomes in, 2350

OA, acetabular dysplasia predicts incident hip OA, 787

OA, COL1A1 polymorphism, hip OA, and genetics in elderly women, 1431

OA, weight loss and reduction of knee-joint load in obese adults with, 2026

risk factors for functional decline in arthritis, 1274

Oligodeoxynucleotides, suppressive oligodeoxynucleotides of lupuslike disease, mouse study, 651

Oncostatin M, acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

Onychodystrophy, psoriasis onset during anti-TNF treatment, 1333, 1334, 2513

Opioids

kappa and delta opioid receptors in fibroblast-like synoviocytes in RA and OA, 1402

peripheral μ-opioid receptor expression downregulated in chronic arthritis, 3210

peripheral μ -opioid receptors as potential therapy targets, 2955 use by orthopedics spine clinic patients, 312 use for pain, 6

Organ transplantation, subchondral femoral head insufficiency fracture after renal transplantation, 1293

Osseous sarcoidosis, radiographic healing, 2225

Osteoarthritis (OA)

alignment in knee radiography for clinical trials of structuremodifying drugs, 1343, 1411

ankle, acoustic properties of early cartilage lesions, 3125 asporin polymorphism and etiology of, 3502

BMD associated with bone marrow lesions, 2814

CD44v6 expression on chondrocytes in rabbits with OA, 810

chondrocyte phosphate uptake, IL-8 and phosphate transporter/ retrovirus receptor, 144 Osteoarthritis (OA) (cont'd)

chondrocytes, reactivity of OA chondrocytes to IL-1\u03bb, 136

clinical trials of DMOADs, lessons learned, 3349

doxycycline orally to slow radiographic progression of, 1956, 2015 epidermal growth factor-TM7 receptor expression in synovial tissue,

extracellular superoxide dismutase and oxidant damage in, 3479 frizzled-related protein gene variants and, 1077

hand, as predictor for future hip or knee OA, 3520

hand, high-resolution MRI for assessment of, 2355

hand strength in relation to radiographic features in, 1424

health state preferences, impact of disease severity and gastrointestinal side effects on, 2366

hip, acetabular dysplasia predicts incident hip OA, 787

hip, COL1A1 polymorphism, hip OA, and genetics in elderly women, 1431

hip, COL9A1 gene and, 1437

hip, correlates of cartilage volume, 1069

hip, hand OA as predictor for, 3520

hip, IL-1 gene cluster polymorphisms and pathogenesis of, 674

hip, no association between locus on chromosome 6 and hip OA, 2040

hip, NSAIDs and radiologic progression of, 3137

hip, surgical outcomes following arthroplasty, racial/ethnic differences and, 3143

human β -defensin in tissue remodeling in cartilage, mouse study, 1736

IL-7 stimulates cell contact-dependent activation of CD4+ T cells and macrophages, 1700

inhibition of MMPs in cartilage loss in vitro, and in the guinea pig model, 171

kappa and delta opioid receptors in fibroblast-like synoviocytes in, 1402

knee, NSAIDs and radiologic progression of, 3137

knee, acoustic properties of early cartilage lesions, 3125

knee, alignment in radiography for clinical trials of structuremodifying drugs, 1343, 1411

knee, and ankle, matrix metabolism in cartilage lesions, 112

knee, anteroposterior laxity and OA progression, 2343

knee, assessment of knee-alignment angle, 1730

knee, association of knee height, knee pain, and knee OA, 1418

knee, BMD associated with bone marrow lesions, 2814

knee, body composition and knee cartilage volume in healthy subjects, 461

knee, bone loss on knee radiographs, 3536

knee, cartilage loss on MRI and radiographic progression in, 3152

knee, chondroitin 4 and 6 sulfate treatment, 779

knee, correlating disease severity and MRI findings, 3492

knee, cruciate ligament integrity in, 794

knee, cruciate ligament laxity and femoral intercondylar notch narrowing in early-stage disease, guinea pig study, 3100

knee, delayed gadolinium-enhanced MRI of, 3528

knee, hand OA as predictor for, 3520

knee, hip abduction moment and protection against progression, 3515

knee, lateral view radiography to evaluate joint space width, 3542 knee, MMP-3 as biomarker of disease progression, 3160

knee, moderate exercise and glycosaminoglycan content in cartilage, 3507

knee, MRI bone marrow abnormalities and cartilage degradation in knee OA, 2822

knee, oral doxycycline to slow radiographic progression, 1956, 2015 knee, PD-0200347 in experimental OA, dog study, 488

knee, pioglitazone in experimental OA, guinea pig study, 479

knee, secondary gait changes in, 2835

knee, serum hyaluronan levels as biomarker of radiographic OA,

Osteoarthritis (OA) (cont'd)

knee, stabilization of knee in medical compartment knee OA, 2845 knee, surgical outcomes following arthroplasty, racial/ethnic differences and, 3143

knee, weight loss and reduction of knee-joint load in older obese adults, 2026

knee pain in older adults, influence of "pain elsewhere" on outcomes in, 2350

knee structure, heritability of longitudinal changes in, 2830

matrix degradation, IL-1 and TNFα in, 128

matrix-degrading enzyme expression in OA chondrocytes, 3110 metalloproteinase disintegrin ADAM15 and degenerative cartilage remodeling, mouse study, 1100

MMP-3 as biomarker of OA progression, 3160

molecular markers of lipid peroxidation in OA cartilage, 2799

NSAIDs and radiologic progression of, 3137

quantitative MRI assessment of cartilage morphology, 3132

RA and, age at onset of symptoms, association with radiographic damage in, 2284

reactivation of glucocorticoids in synovial cells, 1711

serum sulfate levels and development of, 2808

surgical outcomes following joint arthroplasty, racial/ethnic differences and, 3143

type II collagen helical peptide in, 1081

vitamin D supplementation and bisphosphonates to modulate, 1622, 1623

weight loss and reduction of knee-joint load in older obese adults, 2026

Osteoblast-like cells, stimulation of IL-6 receptor shedding by IL-1 β and TNF α , 84

Osteoblasts, Egr2/Krox20 in dexamethasone-mediated osteocalcin repression, mouse study, 929

Osteoclastogenesis

kinetics of, rat study, 3192

STAT-6-VT inhibition of osteoclastogenesis and bone erosion, 2719 Osteoclasts

collagen-induced arthritis, exacerbation in IFN-β-deficient mice, 3739

formation in by RANKL in spontaneous erosive arthritis, mouse study, 3257

RA, nurse-like cells and, 3819

RA, subchondral bone marrow and, 3448

TNF prevents alendronate-induced osteoclast death, mouse study, 2708

Osteogenic protein 1

antisense inhibition of and cartilage integrity, 468 chondrocyte anabolic activity promoted by, 3910

Osteonecrosis, subchondral femoral head insufficiency fracture after renal transplantation, 1293

Osteonectin, specific inhibition of SPARC and decreased expression of type I collagen, 257

Osteopenia, in childhood-onset SLE, 2051

Osteopontin gene, SLE, single-nucleotide polymorphisms and susceptibility to, 539

Osteoporosis

temporal trends in prevention of glucocorticoid-induced osteoporosis, 2485

vertebral fractures in SLE patients and low BMD, 2044

Ostcoprotegerin, RA, with RANK/RANKL in, 2960
OUMS-27 chondrosarcoma cells. ADAMTS-9 induced by I

OUMS-27 chondrosarcoma cells, ADAMTS-9 induced by IL-1 β and TNF α in inflammatory arthritides in, 1451

Outcome Measures in Rheumatology Clinical Trials, RAMRIS system, 3860

Outcomes. See also Mortality

hospital and attending physician volume of admissions and inhospital mortality, 1628, 1646 Outcomes. See also Mortality (cont'd)

knee pain in older adults, influence of "pain elsewhere" on outcomes in, 2350

knee, radiation synovectomy vs. intraarticular glucocorticoid treatment, 3391

methodologic issues in superiority trials assessing structural outcomes, 1858

OA, surgical outcomes following knee or hip arthroplasty, racial/ ethnic differences and, 3143

RA, C-reactive protein as predictor of infliximab treatment out-

RA, infliximab plus MTX for poor-prognosis RA, MRI evidence of synovitis and damage, 27

RA, outcomes of 4 different treatments, BeSt study, 3326, 3381 SLE, increased lupus activity and obstetric outcomes, 514

Ovaries, gonadotropin-releasing hormone analog for ovarian protection during cyclophosphamide treatment of SLE, 2761

Oxidation, in SLE, 2069

Oxidative damage, OA, extracellular superoxide dismutase and, 3479 Oxidative stress, free radical production of by rheumatoid synovial T lymphocytes, 2003

Oxygen radicals, T cell response to oxidatively modified IgG in RA, 80 Oxymetazoline, Afrin-induced CNS vasospasm and thunderclap headache, 3314

p38 MAPK, APS, involvement of in antiphospholipid antibodyinduced up-regulation of tissue factor on HUVECs, 1545

p40, acute CD4+ T lymphocyte-dependent IL-1-driven arthritis and, 3749

p53, adaptive immunity in p53 regulation of arthritis, mouse study,

p200 peptide, maternal antibody specificity and fetal congenital heart block, 3079

p300, and profibrotic response to TGF β in SSc, 1248

PADI4 gene, RA and, 3054

challenges for the rheumatologist, 3685

estrogen deprivation arthralgia and aromatase inhibitors, 2594 FM, momentary relationship between symptoms and cortisol secretion, 3660

FM, pain variabilty in, 3670

knee pain in older adults, influence of "pain elsewhere" on outcomes in, 2350

neural activations in depression and chronic pain, 1577

OA, association of knee height, knee pain, and knee OA, 1418 OA, health state preferences, impact of disease severity and gastrointestinal side effects on, 2366

opioid use, 6

opioid use by orthopedics spine clinic patients, 312

peripheral µ-opioid receptor expression down-regulated in chronic arthritis, 3210

peripheral µ-opioid receptors as potential therapy targets, 2955 polyarticular arthritis, stress, mood, and symptoms in children with,

spontaneous circadian behavior in monarthritic rats, 3470 Palmar erythema, APS, dermatologic manifestations of, 1785 Pannus formation, pristane-induced arthritis, Cialo effects on, rat

study, 322

Pathogens. See names of specific pathogens PD-0200347, in experimental OA, dog study, 488

PD-1 gene, RA, PD-1 polymorphism and development of, 362 PDCD1 gene

RA, PDCD1 haplotype associated with, 1058

SLE, PDCD1 polymorphism and renal manifestations in mice, 1665 Pediatric Rheumatology International Trials Organization (PRINTO), juvenile SLE, criteria for evaluating response to therapy, 2854

Peptides

AS, HLA-B27-restricted CD8+ T cell response to cartilage-derived peptides in, 892, 2581, 2582

class II MHC-peptide tetramers for detection of CD4+ T cells, mouse study, 1885

NEMO-binding domain peptide, antiinflammatory effects of, mouse study, 951

OA and early RA, type II collagen helical peptide in, 1081 OA, human β -defensin in tissue remodeling, mouse study, 1736

Peptidylarginine deiminase type 4 gene, in RA, 3054

Perforin, SLE, activated CD8+ lymphocytes in SLE pathogenesis, 201 Periodic syndrome, TRAPS-related TNFRI mutants, 2906

Periodontal disease, BAFF and, in patients with dry mouth, 2411 Peripheral blood mononuclear cells

RA, TP53 and apoptosis effects in, 1047

SLE, Brn-31 expression in, 1171

Peroxisome proliferator-activated receptor y agonists pioglitazone in experimental OA, guinea pig study, 479

rosiglitazone-induced IL-1 receptor antagonist in rat synovial fibroblasts, 759

Peroxynitrite, T cell response to oxidatively modified IgG in RA, 80 P-glycoprotein, SLE, lymphocyte expression of P-glycoprotein and steroid resistance, 1676

Phage display expression cloning, antiferritin antibodies and radiographic damage in RA, 3868

Pharmacogenetics, and rheumatology, 1349

Pharmacokinetics

molecular mechanisms and variability in drug response, 1349 of oral glucosamine, equine study, 181

Phenotyping, detailing ethnicity and phenotypes for pooling association studies, 676

Phosphate transporter/retrovirus receptor, IL-8 and expression of in OA chondrocytes, 144

Physical activity. See Exercise

Physician volume, hospital and attending physician volume of admissions and in-hospital mortality, 1628, 1646

Pinch strength, OA, hand strength in relation to radiographic features in. 1424

Pioglitazone, in experimental OA, guinea pig study, 479 Pisetsky, Dr. David S., editor 2000-2005, in appreciation of, 1627

Pituitary-adrenal axis, intraarticular methylprednisolone therapy and cortisol secretion, 924

Pituitary hormones, SLE and, 3701

Plasminogen, deficiency of in different RA models, 2541

Platelet-derived growth factor receptor antagonist, lupus nephritis, imatinib treatment, mouse study, 3987

APS, thrombotic events in, 4011

lupus anticoagulant and prolonged bleeding time, 1949

PM-scleroderma overlap syndrome, anti-Ku autoantibodies, 668 Pneumonitis, RA, association of CD4+ T cells with interstitial pneumonitis, 73

Polyarticular-course arthritis

daily stress and mood in children with, 1196

JIA, infliximab plus MTX in, 548

JIA, meloxicam vs. naproxen for, clinical trial, 563

JIA, WISP3 polymorphisms and susceptibility to, 3548

JRA, leflunomide safety and efficacy in, 554

Polymorphism. See also Genetics; Mutations APS, valine²⁴⁷ β₂-glycoprotein I and risk of, 212

CINCA syndrome, CIAS1 somatic mosaicism in, 3579

Crohn's disease, lack of association with SLC22A4 polymorphisms,

haplotype association studies enhanced by examining more polymorphic loci, 674

IL-1β gene promoter polymorphism and levels of IL-1β protein, 361, 362

Polymorphism. See also Genetics; Mutations (cont'd)

JIA. WISP3 polymorphisms and susceptibility to, 3548

molecular mechanisms and variability in drug response, 1349 newly described hereditary cartilage debonding syndrome, 3300

OA, asporin polymorphism and OA etiology in, 3502

OA, COLIAI polymorphism, hip OA, and genetics in elderly women, 1431

OA, IL-1 gene cluster polymorphisms and pathogenesis of, 674

PsA, common genetic control pathways of inflammation for Crohn's disease and PsA, 3596

RA and JIA, PTPN22 as autoimmunity gene, 1694

RA, association of single-nucleotide polymorphisms in SEC8L1 gene in Japanese, 1371

RA, Fcy receptor type IIIA polymorphisms and treatment outcomes with TNFα blockade, 2693

RA, ILIRN gene and RA susceptibility in Spanish population, 3015 RA, macrophage migration inhibitory factor, correlation with severity, 3020

RA, PD-1 polymorphism and development of, 362

RA, PDCD1 haplotype associated with, 1058

RA, PTPN22 C1858T single-nucleotide polymorphism in, 2948 RA, PTPN22 codon R602W and early onset/disease severity effect,

RA, PTPN22 locus associated with in New Zealand Caucasian cohort, 2222

RA, PTPN22 polymorphisms in, 219

RA, PTPN22 variant associated with in Canadian population, 1993 RA, SLC22A4 gene, no association with RA in Japanese population,

RA, SLC22A4 gene, no association with RA in UK population, 752 RA, SLC22A4 polymorphisms, lack of association with, 425, 2947

RA, TNFR2 not associated with RA susceptibility in Caucasian population, 2579

SLE, high mobility group box chromosomal protein 1 in skin lesions,

SLE, mannose-binding lectin gene polymorphisms and, 3966

SLE, osteopontin single-nucleotide polymorphisms and susceptibility to, 539

SLE, PD-1 polymorphism and development of, 362

SLE, PDCD1 polymorphism and renal manifestations in mice, 1665 SLE, PTPN22 polymorphisms in, 219 SLE, PTPN22 R620W polymorphism in families, 2396

sporadic chondrocalcinosis, ANKH sequence variants and, 1110 SSc, X chromosome inactivation in women, 1564, 3679

WG, PTPN22 620W allele as risk factor for, 4039

Polymyositis (PM)

antisynthetase-associated interstitial lung disease, tacrolimus treatment, 2439

consensus guidelines for myopathy trials, 2607

PM-scleroderma overlap syndrome, anti-Ku autoantibodies, 668 seasonal associations with, 2433

Posterior cruciate ligament, integrity of in knee OA, 794

Pramipexole, FM treatment with, 2495

Predictors

inflammatory polyarthritis, baseline C-reactive protein levels and prediction of death from cardiovascular disease in, 2293

OA, acetabular dysplasia predicts incident hip OA, 787

OA, hand OA as predictor for future hip or knee OA, 3520

RA, C-reactive protein as predictor of infliximab treatment outcome, 42

RA, predicting tendon rupture through MRI evidence, 744 Pregabalin

FM treatment with, 1264

OA, PD0200347 in experimental OA, dog study, 488

fetal heart block, anti-SSA/Ro 52-kd antibodies and, 366 SLE, increased lupus activity and obstetric outcomes, 514 Premature ovarian failure, gonadotropin-releasing hormone analog for ovarian protection during cyclophosphamide treatment of SLE, 2761

Preterm birth, SLE, increased lupus activity and obstetric outcomes,

Primary anetoderma, APS, dermatologic manifestations of, 1785 Primate studies

CCR5 antagonist for inhibition of rhesus monkey collagen-induced arthritis, 627

RAGE expression by articular chondrocytes, 2376

Pristane-induced arthritis, Cia10 effects on severity, pannus formation, and joint damage, rat study, 322

Pristane-induced SLE, granzyme B in autoimmunity, 1684

Procollagen α2 type I messenger RNA, TGFβ2 effects on in embryonic fibroblasts, chicken study, 1804

Prolactin, in SLE, 3701

Prostaglandin E2 pathway, antirheumatic treatments with, 3439

Prostaglandin J₂, COX-2 gene transcription in human synovial fibro-blasts, regulation by 15-deoxy-Δ^{12,14}-prostaglandin J₂, 94

Protease-activated receptor, arthritis severity in mice, 1325

Proteasomes, SSc, proteasome-dependent processing of topoisomerase I, 877

Protective autoantibodies, homeostasis, clinical importance, and therapeutic potential, 2559

Protein

OA, serum sulfate levels and development of, 2808

regulation of pyrin subcellular localization by 14.3.3 proteins, 1848 SLE, high mobility group box chromosomal protein 1 in SLE skin lesions, 3639

SLE, protein oxidation in, 2069

soluble IL-1 receptor accessory protein in collagen-induced arthritis, 2202

Protein tyrosine phosphatase gene

RA, PTPN22 C1858T single-nucleotide polymorphism in, 2948 RA, PTPN22 codon R602W and early onset/disease severity effect, 358

RA, gratifying replication, 1952

RA, PTPN22 locus with RA in New Zealand Caucasian cohort, 2222 RA, PTPN22 variant associated with RA in Canadian population,

RA, R602W and early onset/disease severity effect, 358 RA and JIA, PTPN22 gene as autoimmunity gene, 1694

RA and SLE, polymorphisms in, 219 RA and SLE, *PTPN22* gene in, 219

SLE, PTPN22 R620W polymorphism in families, 2396 WG, PTPN22 620W allele as risk factor for, 4039

Proteinuria, SLE, C-reactive protein reverses proteinuria in autoimmune mice, 642

Proteoglycan

proteoglycan 4 in synovial fluid, inhibition of integrative cartilage repair by, 1091

RA, CXCL8 binding site on endothelial syndecan-3 in synovium, 2331

Proteoglycan-induced arthritis

Fcγ receptor type III involvement in development of, mouse study, 1612

leukocyte trafficking into ankle joint of mouse model, 3269

Proteoglycan-induced spondylitis, genetic control of, mouse study,

Proteomic analysis, of RA autoantibodies, 2645

Proximal interphalangeal joint, pachydermodactyly, 990, 2953

Pseudodominant inheritance, hyperimmunoglobulinemia D with periodic fever syndrome, 3606

Pseudomonas exotoxin, RA, targeting of synovial macrophages with anti-folate receptor β antibody and truncated Pseudomonas exotoxin, 2666

Pseudovasculitis, APS, dermatologic manifestations of, 1785

Psoriasis, onset during anti-TNF treatment, 1333, 1334, 2513

Psoriatic arthritis (PsA)

adalimumab for treatment, 3279

common genetic control pathways of inflammation for Crohn's disease and PsA, 3596

infliximab for dermatologic and articular manifestations, 1227

OCTN gene cluster and, 3596

POPP, 2954

Psoriatic onycho-pachydermo periostitis (POPP)

adalimumab treatment of, 280

clinical image, 2954

Psychological stress, RA exacerbation and, 16

Psychosocial factors

polyarticular arthritis, stress, mood, and symptoms in children with,

RA, psychological stress and exacerbation of, 16

PTPN22 gene

RA, gratifying replication, 1952

RA, PTPN22 C1858T single-nucleotide polymorphism in, 2948

RA, PTPN22 locus associated with RA in New Zealand Caucasian cohort, 2222

RA, PTPN22 variant associated with RA in Canadian population, 1993

RA, R602W and early onset/disease severity effect, 358

RA and JIA, as autoimmunity gene, 1694

RA and SLE, polymorphisms in, 219

SLE, R620W polymorphism in families, 2396

WG, 620W allele as risk factor for, 4039

Pulmonary and activation-regulated chemokines, CCL18 levels in SSc, 2889

Pulmonary arterial hypertension

diagnosis in SSc, 3698, 3792

prevalence of undiagnosed disease in community rheumatology practices, 2125

Pulmonary fibrosis, SSc, serum pulmonary and activation-regulated chemokine/CCL18 levels in, 2889

Purine-rich foods, uric acid levels and diet, NHANES-III, 283

Purpura, APS, dermatologic manifestations of, 1785

Pyrin, regulation of pyrin subcellular localization by 14.3.3 proteins, 1848

Q

Quality of life

RA, outcomes of 4 different treatments, BeSt study, 3326, 3381 SSc, correlation of dyspnea with health-related quality of life in SSc

with alveolitis, 592

Quantitative trait analysis, SSc, transcriptosome analysis of nonlesional dermal fibroblasts in, 865

R

Rabbit studies

autologous transplantation of basic fibroblast growth factor genetransduced chondrocytes with adeno-associated virus vector, 164 OA, CD44v6 expression on chondrocytes in rabbits with OA, 810 OA, oral glucosamine in, 1118, 3680

promotion of MTX induction and antiinflammatory effects by

sonoporation, 2559

RABBIT study, RA, infections in patients treated with biologic agents, 3403

Race, OA, surgical outcomes following knee or hip arthroplasty, racial/ethnic differences and, 3143

Radiation synovectomy, knee, radiation synovectomy vs. intraarticular glucocorticoid treatment, 3391

Radiography

AS, diagnosis and classification of early AS, 1000

Radiography (cont'd)

AS, measurement of treatment effect on spinal radiographic progression in, 1979

AS, NSAIDs for reduction of radiographic progression, 1756

JIA, assessment of radiographic change in, 2865

OA, acetabular dysplasia predicts incident hip OA, 787

OA, alignment in knee radiography for clinical trials of structuremodifying drugs, 1343, 1411

OA, assessment of knee-alignment angle, 1730

OA, bone loss on knee radiographs, 3536

OA, cartilage loss on MRI and radiographic progression in, 3152

OA, hand strength in relation to radiographic features in, 1424 OA, lateral view radiography to evaluate tibiofemoral joint space width, 3542

OA, scrum hyaluronan levels as biomarker of radiographic OA, 105 osseous sarcoidosis, radiographic healing, 2225

RA, age and OA at onset of symptoms, association with radiographic damage in, 2284

RA, antiferritin antibodies and radiographic damage in, 3868

RA, articular, radiographic, laboratory, and functional status improved from 1985 to 2000, 991, 1009

RA, outcomes of 4 different treatments, BeSt study, 3326, 3381

RA, presentation and analysis of clinical trial radiographic data, 49 RA, sensitivity to change of MRI and radiography, 2300

RAMRIS system, Outcome Measures in Rheumatology Clinical Trials, 3860

RANK

RA, RANK/RANKL/osteoprotegerin system in, 2960 RA, RANK/RANKL system in RA inflammation, 2307

RANKL

bone-protective effects of anabolic treatment used with RANKL and TNF inhibition, rat studies, 1604

RA, RANK/RANKL/osteoprotegerin system in, 2960

RA, RANK/RANKL system in RA inflammation, 2307

synovial fibroblasts promote osteoclast formation by, mouse study, 3257

RANTES, adjuvant-induced arthritis, amelioration by Met-RANTES, rat study, 1907

Rat studies

adjuvant-induced arthritis, amelioration by Met-RANTES, 1907 adjuvant-induced arthritis, chemokine receptor expression in, 3718 adjuvant-induced arthritis, electroporation to enhance MTX effect, 637

bone morphogenetic protein 2 for tissue engineering in cartilage repair, 155

bone-protective effects of anabolic treatment used with RANKL and TNF inhibition, 1604

chronic arthritis, peripheral μ -opioid receptor expression down-regulated in, 3210

collagen-induced arthritis, combination therapy with M40403 and dexamethasone, 1929

collagen-induced arthritis, combination therapy with M40403 and MTX, 3755

collagen-induced arthritis, thrombospondin 1 gene therapy for, 339 kininogen deficiency to modulate inflammation of arthritis, 2549 osteoclastogenesis, kinetics of, 3192

pristane-induced arthritis, Cia10 effects on severity, pannus formation, and joint damage, 322

RA, kallistatin gene therapy for, 1319

rosiglitazone-induced IL-1Ra in rat synovial fibroblasts, 759 spontaneous circadian behavior in monarthritic rats, 3470

Raynaud's phenomenon, incidence and natural history of, 1259 Reactive arthritis

epidermal growth factor-TM7 receptor expression in synovial tissue, 442

IL-6 contribution to, mouse study, 2530

innate immunity in infection-triggered arthritis, mouse study, 1297

Reactive arthritis (cont'd)

Toll-like receptors, 2233

Reactive oxygen species

extracellular superoxide dismutase and oxidant damage in OA, 3479 free radical production of by rheumatoid synovial T lymphocytes,

Reactive systemic AA amyloidosis, infliximab treatment, 2519

Receptor for advanced glycation end products (RAGE), expression by articular chondrocytes, 2376

Recurrent fever syndromes

familial Mediterranean fever, regulation of pyrin subcellular localization by 14.3.3 proteins, 1848

hyperimmunoglobulinemia D with periodic fever syndrome, pseudodominant inheritance of, 3606

MEFV analysis in western European patients, 3603

Regulatory T cells, treatment of collagen-induced arthritis with CD25+ regulatory T cells, 2212

JIA, patterns of clinical remission in, 3554

RA, defining criteria for disease activity states, 2625

WG, serum proteomic approach to gauging state of remission, 902 Renal amyloidosis, infliximab treatment, 2519

Renal flare, SLE, anti-dsDNA antibody levels and, 1129

Renal transplantation, subchondral femoral head insufficiency fracture after renal transplantation, 1293

Renin-angiotensin system, angiotensin receptor blockers for amelioration of collagen-induced arthritis, mouse study, 1920, 3678, 4047 Reticulocytes, SLE, C4d-bearing reticulocytes as disease activity mark-

ers, 3087

Rhesus monkey studies, CCR5 antagonist for inhibition of rhesus monkey collagen-induced arthritis, 627

Rheumatic disease

dendritic cells, autoimmunity and disease, 11

intraarticular methylprednisolone therapy and cortisol secretion,

National Bone and Joint Decade, 707

Rheumatoid arthritis (RA). See also Juvenile rheumatoid arthritis abatacept (CTLA-4Ig) treatment, 2229, 2263

ACR decision tree format for classification, evaluation over 5 years,

ACR-N index of improvement in RA, con argument, 1642 ACR-N index of improvement in RA, pro argument, 1637

age and OA at onset of symptoms, association with radiographic damage in, 2284

anakinra, nonresponse to after failure of TNF blockade, 364, 365 angiogenesis and bone destruction in, 1346

anti-CCP antibodies, regulation in RA, 3813

anti-CCP antibody-negative RA, HLA-DR3 associated with, 3058 antiferritin antibodies and radiographic damage in, 3868

antigen microarray profiling of autoantibodies, 2645

anti-TNF therapy and apoptosis induction in joint macrophages, 61 articular, radiographic, laboratory, and functional status improved from 1985 to 2000, 991, 1009

association of single-nucleotide polymorphisms in SEC8L1 gene in Japanese, 1371

atherosclerosis and, 3045

atherosclerosis, relative contribution of cardiovascular risk factors and RA to, 3413

BeSt study, 3326, 3381

biomarkers using surface-enhanced laser desorption/ionization time-of-flight mass spectrometry-based protein chip approach,

cardiovascular death in, 722

chemokines and their receptors as future targets, 710 citrullinated proteins in humoral autoimmunity, 2323

clinical trials, continuous indices of core data set measures in, 1031 clinical trials, presentation and analysis of radiographic data, 49

Rheumatoid arthritis (RA). See also Juvenile rheumatoid arthritis (cont'd)

combination MTX-intramuscular gold therapy, 1360

combination therapy, efficacy of, 2975

congestive heart failure risk in, 412

coronary heart disease and sudden death in, 402

C-reactive protein as predictor of infliximab treatment outcome, 42 criteria for disease activity status in, 2625

CTLA-4Ig treatment, 2229

CXCL8 binding site on endothelial syndecan-3 in synovium, 2331

CXCL16-CXCR6 pathway, pathogenic role of in, 3004 CXCL16 recruits memory T cells into rheumatoid joints, 1381

DERAA-encoding HLA alleles and RA severity and susceptibility,

digital x-ray radiogrammetry as diagnostic tool, 3850

Disease Activity Score as sole criterion for initiation and evaluation of anti-TNF therapy, 3873

drug efflux transporters, 670, 671, 672

epidermal growth factor-TM7 receptor expression in synovial tissue,

etanercept treatment, clinical infection with Strongyloides sterocoralis. 1336

familial aggregation of autoimmune diseases in SLE patients, 1138 fatal tuberculosis in, 1334

fibroblast activation by necrotic synovial fluid cells via Toll-like receptor 3, 2656

fibroblast-like synoviocyte invasiveness and joint destruction in, 1999 fractalkine and T cell-synoviocyte interaction in, 1392

free radical production by rheumatoid synovial T lymphocytes, 2003 gene analysis of drug effects in, 2248

heart failure risk in, 412, 3039

high-dose chemotherapy followed by autologous hematopoietic stem cell transplantation, long-term followup of health status,

HLA-DRB1 alleles, new classification in, 1063

IL-1 receptor antagonist deficiency and, mouse study, 3731

IL-6 receptor shedding, stimulation of by IL-1 β and TNF α , 84

IL-7 stimulates cell contact-dependent activation of CD4+ T cells and macrophages, 1700

IL-10 receptor α chain expression in synovium, animal models, 3315

IL-15 as therapeutic target in, 2585, 2686 IL-22 expression in, 1037

ILIRN gene in susceptibility, 3015 individual joint pathology in, 672, 673

infections in patients treated with biologic agents, 3403

inflammation and destruction uncoupled, 995

infliximab plus MTX, benefit in patients without clinical improvement, 1020, 4044, 4045

interstitial pneumonitis in, association of CD4+ T cells with, 73 kallistatin gene therapy and, rat study, 1319

kappa and delta opioid receptors in fibroblast-like synoviocytes in,

knee, radiation synovectomy vs. intraarticular glucocorticoid treat-

leukocyte trafficking into ankle joint in mouse model, 3269

membrane type 1-MMP inhibition and reduced invasiveness of synovial fibroblasts, 2010

migratory inhibitory factor, correlation with RA severity, 3020

mildness of disease course, 2616

MTX, folic acid and MTX efficacy, 3030

MTX metabolism in, 356

neoantigenic epitopes after posttranslational modification of type II collagen, 3829

neutrophil recruitment in coculture model of synovium, 3460 nurse-like cells from RA patients and bone loss, 3819

PADI4 and, 3054

PDCD1 haplotype, association with, 1058

Rheumatoid arthritis (RA). See also Juvenile rheumatoid arthritis (cont'd)

phenotype based on specificity of HLA-DRB1 shared epitope for citrullinated proteins, 3433

plasminogen deficiency in different RA models, 2541 poor-prognosis, early treatment with infliximab, 27

predicting tendon rupture through MRI evidence, 744

prednisolone in early RA, 3324, 3360, 3371

proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770

prostaglandin E2 pathway, antirheumatic treatments with, 3439

psychological stress and exacerbation of, 16 PTPN22 and, gratifying replication, 1952

PTPN22 as autoimmunity gene, 1694

PTPN22 C1858T single-nucleotide polymorphism in, 2948

PTPN22 codon R602W and early onset/disease severity effect, 358 PTPN22 locus, association with in New Zealand Caucasian cohort,

PTPN22 polymorphisms in, 219

PTPN22 variant, association with in Canadian population, 1993 RABBIT study, 3403

RANK/RANKL/osteoprotegerin system, animal studies, 2960

RANK/RANKL system in inflammation, 2307

reactivation of glucocorticoids in synovial cells, 1711 reactive systemic AA amyloidosis, infliximab treatment, 2519

SLC22A4 gene, no association with RA in Japanese population,

SLC22A4 gene, no association with RA in UK population, 752 SLC22A4 polymorphisms, lack of association with, 425, 2947

Sneddon-Wilkinson disease in RA patient, 3771

stromal cell-derived factor 1 chemokine gene variant and radiographic progression, 354

subchondral bone marrow and, 3448

synovial tissue and fibroblast-like synoviocytes in, 430

targeting of synovial macrophages with anti-folate receptor β antibody and truncated Pseudomonas exotoxin, 2666

targeting Tie2 attenuates collagen-induced arthritis, mouse study, 1585

T cell response to oxidatively modified IgG, 80

tissue trafficking patterns of effector memory CD4+ T cells in, 3839

TNF, regulation of myeloid cell function by, 451 TNFα-induced modulation of CD28, 2996

TNFα production regulated by butyrate, 2697

TNF blockers in, 2506

TNF inhibition of conversion of dehydroepiandrosterone sulfate to dehydroepiandrosterone, 1721

TNFR2 not associated with RA susceptibility in Caucasian population, 2579

Toll-like receptor 2 and 4 expression on CD64+ monocytes in, 2227 Toll-like receptor 3 and 7 in, 2313

TP53 and apoptosis effects in, 1047

treatment, improvements over time?, 991, 1009

treatment strategies, outcomes of 4 different treatments, BeSt study, 3326, 3381

tuberculosis risk and anti-TNF treatment, 1334, 1986, 2968

type II collagen helical peptide in early RA, 1081

ultrasonographic synovitis scoring system for finger joint inflammation, 733

ultrasonography to assess, 681

vasculitis in, 1620, 1621

work capacity, early suppression of disease activity and maintenance of. 36

wrist, Outcome Measures in Rheumatology Clinical Trials RAMRIS system, 3860

Rheumatology

pharmacogenetics and, 1349 status of women in, 694, 697 Ribavirin, systemic vasculitis, PEGylated IFN-alfa-2b and ribavirin treatment for hepatitis C virus-related systemic vasculitis, 911 Ribosomal P epitope, expression by monocytes in SLE, 847

Rice bodies, tuberculous rice bodies of wrist, 1950

Risedronate, OA, clinical trials of disease-modifying OA drugs, lessons learned, 3349

Risk factors

APS, valine²⁴⁷ β₂.glycoprotein I and APS risk, 212

atherosclerosis, relative contribution of cardiovascular risk factors and RA to, 3413

Behçet's disease, TNFRSF1A R92Q mutation and risk of venous thrombosis, 608, 2582

for functional decline in older adults with arthritis, 1274

OA, association of knee height, knee pain, and knee OA, 1418 OA, variations in innate cytokine activity and risk of OA, 1443

RA, increased coronary-artery atherosclerosis in, 3045 RA, risk of heart failure, 412, 3039

RA, tuberculosis risk and anti-TNF treatment, 1986, 2968

SLE, cigarette smoking as risk factor for, 1340, 1341

SLE, hydroxychloroquine and reduction of damage risk in, 1473 SLE, risk factors for venous thrombosis in LUMINA study patients, 2060

SLE, thromboembolism in, 2774

WG, PTPN22 620W allele as risk factor for, 4039

Rituximab

DM treated with, 601

lupus nephritis, therapeutic B cell depletion therapy, 501, 4080, 4081 refractory ANCA-associated vasculitis, B lymphocyte depletion for,

SLE treated with, 371

SS treated with, 2740

WG treated with, B cells and ANCA-associated vasculitis, 1

collagen-induced arthritis, small interfering RNA and joint inflammation in mice, 1314

TGFβ2, effects on procollagen α2 type I messenger RNA variants in embryonic fibroblasts, chicken study, 1804

Rofecoxib, cardiovascular events and, 1968

Rosiglitazone-induced IL-1Ra in rat synovial fibroblasts, 759

Rotator cuff disorders, hydroxyapatite crystals and, 3681

S-34219, OA, inhibitor of MMPs in cartilage loss, in vitro and guinea pig study, 171

Saliva

BAFF and periodontal disease in patients with dry mouth, 2411 FM, momentary relationship between symptoms and cortisol secretion, 3660

Salivary glands

epithelial cell exosomes, 1517

SS, acinar damage and MMP-3/TIMP-1 and MMP-9/TIMP-1 imbalance and, 2751

SS, CXCL13 and CCL21 expression and lymphoid features in, 1773 SS, Fas and CD40 in salivary epithelial cell death, 573

SS, gene expression profiling of minor salivary glands, 1534

Sarcoid arthritis, intraarticular etanercept treatment, 987

Sarcoidosis, osseous sarcoidosis, radiographic healing, 2225

Schnitzler syndrome, treatment with anakinra, 2226

Scintigraphy, SpA, intraarticular infliximab in, 1224

Scl-70, SSc, proteasome-dependent processing of topoisomerase I, 877 Scleroderma. See Systemic sclerosis

Scoring systems

JIA, assessment of radiographic change in, 2865 RA, defining criteria for disease activity states, 2625

RA, sensitivity to change of MRI and radiography, 2300

RA, ultrasonographic synovitis scoring system for finger joint inflammation, 733

SEC8L1 gene, RA, association of single-nucleotide polymorphisms in SEC8L1 gene in Japanese, 1371

Secreted protein, acidic and rich in cysteine (SPARC), specific inhibition of SPARC and decreased expression of type I collagen, 257 Septic arthritis

anakinra treatment of Moraxella catarrhalis-induced septic arthritis of prosthetic knee joint, 1337, 1338

due to Listeria monocytogenes in etanercept patient, 987

Serum proteomic profiling, gauge state of remission in WG, 902

Sevelamer, reduction in serum uric acid with, 290 Shared enitone

RA, HLA-DR shared epitope alleles and cigarette smoking, 3675, 3676

RA, HLA-DRB1 alleles, new classification in, 1063 RA, regulation of anti-CCP antibodies in, 3813

Sharp/van der Heijde method, RA, sensitivity to change of MRI and radiography, 2300

Shoulder, hydroxyapatite crystals and rotator cuff disorders, 3681 Signaling

C43S TRAPS mutation and TNFα-induced signaling, 1287, 2952 IL-17 receptor and streptococcal cell wall-induced arthritis, mouse study, 3239

microparticles as regulators of inflammation, 3337 SSc, $\alpha v \beta 5$ -mediated TGF β signaling in, 2897

Simplified Disease Activity Index (SDAI), RA, defining criteria for disease activity states, 2625

Single-nucleotide polymorphism

Crohn's disease, SLC22A4 polymorphisms, lack of association with, 425

hereditary cartilage debonding syndrome, 3300

IL-1 β gene promoter polymorphism and levels of IL-1 β protein, 361, 362

PsA, common genetic control pathways of inflammation for Crohn's disease and PsA, 3596

RA, association of single-nucleotide polymorphisms in SEC8L1 gene in Japanese, 1371

RA, PD-1 polymorphism and development of, 362

RA, PDCD1 haplotype associated with, 1058

RA, PTPN22 C1858T single-nucleotide polymorphism in, 2948
RA, PTPN22 codon R602W and early onset/disease severity eff.

RA, PTPN22 codon R602W and early onset/disease severity effect, 358

RA, PTPN22 locus associated with in New Zealand Caucasian cohort, 2222

RA, PTPN22 variant associated with in Canadian population, 1993 RA, SLC2244 gene, no association with RA in UK population, 752 RA, SLC2244 polymorphisms, lack of association with, 425

RA, TNFR2 not associated with RA susceptibility in Caucasian population, 2579

RA and JIA, PTPN22 as autoimmunity gene, 1694

SLE, osteopontin single-nucleotide polymorphisms and susceptibility to, 539

SLÉ, PTPN22 R620W polymorphism in families, 2396

Sjögren's syndrome (SS)

acinar damage and MMP-3/TIMP-1 and MMP-9/TIMP-1 imbalance and, 2751

antimuscarinic antibodies in, 2984

BAFF and periodontal disease in patients with dry mouth, 2411 chemokine receptors on B cells in primary SS, 2109

corrected OT interval in anti-SSA-positive adults with connective tissue disease, 676, 677

CXCL13 and CCL21 expression and lymphoid features in, 1773 early atherosclerosis in, 3890

Fas and CD40 in salivary epithelial cell death, 573

gene expression profiling of minor salivary glands in SS, 1534 mortality and causes of death in primary SS, 369

rituximab treatment, 2740

type I IFN in, 1185

Skin. See also Fibrosis; Systemic sclerosis

APS, dermatologic manifestations of, 1785

cutaneous lupus erythematosus, amplification cycle triggering, 1504 cutaneous lupus erythematosus, up-regulation of 52-kd Ro/SSA by TNF α via TNF receptor I, 531

generation of novel covalent RNA-protein complexes by ultraviolet B irradiation, 1160

specific inhibition of SPARC and decreased expression of type I collagen, 257

SSc, IL-21 receptor expression altered in keratinocytes, 856

Skin ulcers, APS, dermatologic manifestations of, 1785

SLC11A1 gene, in JIA, 247

SLC22A4 gene

lack of association of polymorphisms with RA and Crohn's disease, 425

no association with RA in Japanese population, 2947 no association with RA in UK population, 752

Sle2, Sle2-associated component lupus phenotypes, deficiency of type I interferon contribution to, mouse study, 3063

Small interfering RNA, and joint inflammation in mice with collageninduced arthritis, 1314

Smoking

as risk factor for venous thrombosis in LUMINA study patients, 2060

as SLE risk factor, 1340, 1341

RA, HLA-DR shared epitope alleles in, 3675, 3676

Sneddon-Wilkinson disease, in RA patient, 3771

Soluble interleukin-1 receptor accessory protein, in collagen-induced arthritis, 2202

Somatic mosaicism, CINCA syndrome, CIAS1 somatic mosaicism in, 3579

Sonography. See Ultrasonography

Sonoporation, antigen-induced arthritis, promotion of MTX induction and antiinflammatory effects by sonoporation, rabbit study, 2559 Spine

AS, MRI assessment of spinal inflammation before and after etanercept treatment, 1216

opioid use by orthopedics spine clinic patients, 312

osteopenia in childhood-onset SLE, 2051

Splinter hemorrhages, APS, dermatologic manifestations of, 1785 Spondylarthropathy (SpA)

axial SpA and AS, diagnosis and classification, 1000 etanercept for peripheral joint synovitis in, 3898

HLA-B*5703 in HIV infection and, 275

HLA-B27, association with in Sardinia and Italy, 3319

intraarticular infliximab in, 1224

KIR3DL2 expression on NK cells in, 3586

prevalence of, 4048, 4049

proteoglycan-induced spondylitis, genetic control of, mouse study, 2452

TNFα blockade and humoral immunity, 2192

Toll-like receptor 2 and 4, down-modulation by TNF blockade in, 2146

Sporadic chondrocalcinosis, ANKH sequence variants and, 1110

STAT-6-VT, inhibition of osteoclastogenesis and bone erosion, mouse study, 2719

Stem cells, synovium as superior source of, 2521

Stem cell transplantation

RA, ASCT and high-dose chemotherapy for joint damage, 421

RA, high-dose chemotherapy and ASCT, long-term followup of health status, 2272

seronegative arthritis, sustained remission of, 3322

Steroid injection, for carpal tunnel syndrome, vs. surgery, 612, 2578 Steroid resistance, SLE, lymphocyte expression of P-glycoprotein and, 1676

Stiffness, polyarticular arthritis, stress, mood, and symptoms in children with, 1196 Still's disease, anakinra for adult-onset Still's disease, 1794, 1960 Streptococcal cell wall-induced arthritis,

IL-17 receptor and cartilage destruction in, mouse study, 3239 T cell IL-17 overexpression in IL-1-deficient arthritic mice, 975 Stress

polyarticular arthritis, mood and symptoms in children with, 1196 RA, psychological, 16

Stromal cell-derived factor 1, RA, radiographic progression and, 354 Stromal cells, collagen-induced arthritis, exacerbation in IFN-β-deficient mice, 3739

Stromelysin, MMP-3 as biomarker of OA progression, 3160

Strongyloides sterocoralis, RA, infection with during etanercept treatment, 1336

Structural outcomes, methodologic issues in superiority trials, 1858 Subchondral bone loss, OA, on knee radiographs, 3536

Subchondral bone marrow, in RA, 3448

Sulfasalazine, combination therapy, efficacy of in RA, 2975

Sulfate levels, OA, development of and, 2808

Superiority trials, methodologic issues, assessing structural outcomes, 1858

Superoxide dismutase

extracellular, and oxidant damage in OA, 3479

mimetic combination therapy with M40403 and dexamethasone in collagen-induced arthritis, rat study, 1929

MTX synergistic interaction with, rat study, 3755

Surface-enhanced laser desorption/ionization time-of-flight mass spectrometry, biomarkers for RA by, 3801 Susceptibility

Behçet's disease, whole-genome screen for in, 1836

JIA, WISP3 polymorphisms and, 3548

OA, asporin polymorphism and etiology in, 3502

OA, hip, COL9A1 gene in, 1437

OA, variations in innate cytokine activity and risk of, 1443

RA, association of single-nucleotide polymorphisms in SEC8L1 gene in Japanese, 1371

RA, DERAA-encoding HLA alleles and RA severity and, 2637

RA, HLA-DRB1 alleles, new classification in, 1063

RA, IL-1 receptor antagonist deficiency and, 3731

RA, ILIRN gene, in Spanish population, 3015

RA, PADI4 gene and, 3054

RA, PDCD1 haplotype associated with, 1058

SLE, and autoimmune thyroid disease, susceptibility gene at 5q14.3-15, 3646

SLE, genetic origin of in SWR/NZB hybrids, 659

SLE, osteopontin single-nucleotide polymorphisms in, 539

SLE, Sle2-associated component lupus phenotypes, deficiency of type I interferon contribution to, mouse study, 3063

Sweden, tuberculosis risk and anti-TNF-treated RA in, 1986

Symphysis pubis, tophaceous gout of, 4082

Syndecans, RA, CXCL8 binding site on endothelial syndecan-3 in synovium, 2331

Synovectomy, knee, vs. intraarticular glucocorticoid treatment, 3391 Synovial cells

intraarticular glucocorticoid treatment reduces inflammation in,

RA, reactivation of glucocorticoids in, 1711

RA, TNF inhibition of conversion of dehydroepiandrosterone sulfate to dehydroepiandrosterone, 1721

Synovial fibroblasts. See Fibroblasts

Synovial fluid

anterior cruciate ligament injury, cartilage glycosaminoglycan loss in acute phase, gadolinium-enhanced MRI, 120

boundary lubrication following injury, rabbit study, 1746 cartilage integrative repair, inhibition by proteoglycan 4, 1091

coefficient of friction in arthritis, 1632

glucosamine levels, equine study, 181

Synovial fluid (cont'd)

RA, fibroblast activation by necrotic cells via Toll-like receptor 3, 2656

Synovial membrane, OA, correlating disease severity and MRI findings, 3492

Synovial tissue

antigen-induced arthritis, promotion of MTX induction and antiinflammatory effects by sonoporation, rabbit study, 2559

epidermal growth factor-TM7 receptor expression in, 442 free radical production of by rheumatoid synovial T lymphocytes, 2003

RA, activation by necrotic synovial fluid cells via Toll-like receptor 3, 2656

RA, anti-TNF therapy and apoptosis induction in joint macrophages, 61

RA, citrullinated proteins in humoral autoimmunity, 2323

RA, CXCL8 binding site on endothelial syndecan-3 in, 2331

RA, CXCL16 recruits memory T cells into rheumatoid joints, 1381 RA, fibroblast-like synoviocytes in, 430

RA, IL-10 receptor α chain expression in synovium, animal models,

RA, neutrophil recruitment in coculture model of, 3460

RA, pathogenic role of CXCL16-CXCR6 pathway in, 3004

RA, RANK/RANKL system in inflammation, 2307

RA, targeting of synovial macrophages with anti-folate receptor β antibody and truncated *Pseudomonas* exotoxin, 2666

RA, Toll-like receptors 3, 4, and 7/8 and, 2313 source of human mesenchymal cells, 2521

Synoviocytes

RA, fractalkine and interaction with T cells in, 1392

RA, TNF α production by, regulation by butyrate, 2697

Synovitis

cartilage degeneration and overexpression of cathepsin K in, 3713 knee, radiation synovectomy vs. intraarticular glucocorticoid treatment. 3391

OA, correlating disease severity and MRI findings, 3492

RA, IL-7 stimulates cell contact-dependent activation of CD4+ T cells and macrophages, 1700

RA, infliximab plus MTX for poor prognosis, 27

RA, synovial tissue and fibroblast-like synoviocyte heterogeneity, 430

RA, ultrasonographic scoring system for, in finger joint inflammation, 733

RA, ultrasonography for assessing in, 681

SpA, etanercept for, in peripheral joints, 3898

Systemic JIA, IL-6 receptor as treatment, 687

Systemic lupus erythematosus (SLE)

activated CD8+ lymphocytes in pathogenesis of, 201 anetoderma in, with antiphospholipid antibodies, 2228

anti-DNA antibodies and glomerulonephritis, 2403

anti-DNA antibodies and renal flare in, 1129

anti-Ku autoantibodies and DPB1*, 668

APS nephropathy in antiphospholipid antibody-positive patients with, 988

autoantibody clustering to predict clinical subsets and damage, 4003 autoimmune thyroid disease and susceptibility gene at 5q14.3-15, 3646

BAFF overexpression and accelerated glomerular disease in mice,

BAFF receptors in, 3943

B lymphocyte depletion therapy in refractory childhood SLE, 3168 Brn-3 expression in, 1171

C4d-bearing reticulocytes as disease activity markers, 3087

cancer, international cohort study, 1481

cerebral and corpus callosum atrophy in, 2783

cigarette smoking as risk factor for, 1340, 1341

clofazimine compared with chloroquine for, 3073

Systemic lupus erythematosus (SLE) (cont'd)

complement receptor 1 (CD35) bound to immune complexes in sera, 2950

corrected QT interval in anti-SSA-positive adults with connective tissue disease, 676, 677

costimulatory blockade with adeno-associated virus-mediated gene transfer, mouse study, 3975

C-reactive protein reverses proteinuria in autoimmune mice, 642 criteria for evaluating response to therapy in children, 2854

cross-reactive anti-dsDNA/anti- α -actinin antibodies and induction of renal disease, 522

cutaneous lupus erythematosus, amplification cycle triggering, 1504 cutaneous lupus erythematosus, high mobility group box chromosomal protein 1 in, 3639

cutaneous lupus erythematosus, up-regulation of 52-kd Ro/SSA by TNF α via TNF receptor I, 531

cyclophosphamide therapy, gonadotropin-releasing hormone analog for ovarian protection during, 2761

elevated levels of soluble fractalkine in, 1670

Epstein-Barr virus and, 1148

familial aggregation of autoimmune diseases in SLE patients, 1138 genetic origin of in SWR/NZB hybrids, 659

granzyme B in autoimmunity, mouse study, 1684

high mobility group box chromosomal protein 1 in skin lesions, 3639 hospital and attending physician volume of admissions and inhospital mortality, 1628, 1646

hydroxychloroquine and reduction of damage risk in, 1473 $IFN\alpha$ pathway in, activation, 1491

IL-18R signaling and autoantibody production and end-organ disease in, mouse study, 984

inhibition by IgM anti-dsDNA antibodies, mouse study, 3629 lipid peroxidase in, 192

LUMINA cohort, influence of menopause in study patients, 1655 LUMINA cohort, risk factors for venous thrombosis in study patients, 2060

lupus nephritis, anti-CD20 therapy, 371

lupus nephritis, anti-DNA antibodies and, 2403

lupus nephritis, cross-reactive anti-dsDNA/anti- α -actinin antibodies and induction of, 522

lupus nephritis, effect of fractalkine antagonist on, mouse study, 1522

lupus nephritis, imatinib treatment, mouse study, 3987

lupus nephritis, single-dose C-reactive protein, mouse study, 378 lupus nephritis, therapeutic B cell depletion therapy, 501, 4080, 4081 lymphocyte expression of P-glycoprotein and steroid resistance,

Lyn expression in B cells, 3955

mannose-binding lectin gene polymorphisms and, 3966 maternal HLA class II compatibility in men with, 2768 menopause, influence in LUMINA study patients, 1655

murine lupus, reduced sensitivity to CD4+, CD25+ regulatory T cells in, 1180

neuropsychiatric, brain MRI abnormalities and MMP-9 in patients with, 673, 674

neuropsychiatric, electroencephalographic assessment of, 841 neuropsychiatric, elevated levels of soluble fractalkine, 1670 obesity, contributor to functional capacity and inflammation, 3651 observing outcomes and increased large activity, activity.

obstetric outcomes and increased lupus activity, 514 osteopenia in childhood-onset, 2051

osteopontin single-nucleotide polymorphisms and susceptibility to, 539

PD-1 polymorphism and development of, 362

PDCD1 polymorphism and renal manifestations in mice, 1665 pituitary hormones and, 3701

protein oxidation in, 2069

psychiatric symptoms, electroencephalographic assessment, 841 PTPN22 polymorphisms in, 219 Systemic lupus erythematosus (SLE) (cont'd)

PTPN22 R620W polymorphism in families, 2396 raloxifene for postmenopausal women with, 3997

ribosomal P epitope expression by monocytes, 847

Sle2-associated component lupus phenotypes, deficiency of type I interferon contribution to, mouse study, 3063

suppressive oligodeoxynucleotides in, mouse study, 651 thromboembolism in, incidence and risk factors, 2774

tolerance breaking by dendritic cells without disease expression, 225 venous thrombosis risk factors in LUMINA study patients, 2060 vertebral fractures in SLE patients and low BMD, 2044 Yaa gene-linked monocytosis, mouse study, 2790

Systemic sclerosis (SSc)

 $\alpha \beta$ 5-mediated TGF β signaling in, 2897

anti-RNA polymerase III antibody detection by ELISA, 2425 autologous bone marrow transplantation in, immune reconstitution following, 1555

Barrett's esophagus in, 2882

chemokine receptor CCR2 expression by fibroblasts, 3772 dyspnea, correlation with health-related quality of life in, with alveolitis, 592

eicosanoids in pathogenesis of lung disease in, 3693, 3783 fibroblast gene expression profiles in twins, 3305 FK-506, effects on normal and SSc fibroblasts, 1237

IL-21 receptor expression altered in SSc keratinocytes, 856 juvenile localized, extracutaneous manifestations of, 2873 malignancy risk in, 2415

mechanical bull myopathy in, 3682

microfibril-associated glycoprotein 2, increased expression of type I collagen and, mouse study, 1812

p300 and profibrotic response to TGFβ, 1248

PM-scleroderma overlap syndrome, anti-Ku autoantibodies, 668 proteasome-dependent processing of topoisomerase I, 877 pulmonary arterial hypertension, diagnosis in, 3698, 3792

pulmonary arterial hypertension, prevalence in community practices, 2125

scrum pulmonary and activation-regulated chemokine/CCL18 levels in, 2889

specific inhibition of SPARC and decreased expression of type I collagen, 257

tissue kallikreins in endothelial cells, 3618

transcriptosome analysis of nonlesional dermal fibroblasts in, 865 X chromosome inactivation in women, 1564, 3679

Systemic vasculitis, PEGylated IFN-alfa-2b and ribavirin for hepatitis C virus-related systemic vasculitis, 911

T

Tacrolimus, for antisynthetase-associated ILD, 2439

Tasmanian Older Adult Cohort Study, OA, correlates of hip cartilage volume, 1069

T cells

AS, HLA-B27-restricted CD8+ response to cartilage-derived peptides in, 892, 2581, 2582

Behçet's disease, NF-κB protection of against CD95-induced apoptosis up-regulating antiapoptotic proteins, 2179

class II MHC-peptide tetramers for detection of CD4+ T cells, mouse study, 1885

collagen-induced arthritis, Nur77 overexpression, mouse study, 333 collagen-induced arthritis, treatment with CD25+ regulatory T cells, 2212

disruption of T cell/antigen-presenting cell interaction by teriflunomide, 2730

IL-17 overexpression in IL-1-deficient arthritic mice, 975

RA, association of CD4+ T cells with interstitial pneumonitis in, 73 RA, CXCL16 recruits memory T cells into rheumatoid joints, 1381 RA, fractalkine and interaction with synoviocytes in, 1392

RA, IL-7 stimulates cell contact-dependent activation of, 1700

T cells (cont'd)

RA, pathogenic role of CXCL16-CXCR6 pathway in, 3004

RA, RANK/RANKL system in inflammation, 2307

RA, T cell response to oxidatively modified IgG, 80

RA, tissue trafficking patterns of effector memory CD4+ T cells in,

SLE, reduced sensitivity to CD4+,CD25+ regulatory T cells in murine lupus, 1180

SSc, ASCT, immune reconstitution following, 1555

V_a14 NKT cells in murine arthritis, 1941

Temporomandibular arthritis, corticosteroid injection for in children with JIA, 3563

Tendon rupture, RA, predicting through MRI evidence, 744

Teriflunomide, disruption of T cell/antigen-presenting cell interaction hv. 2730

Tetramer staining, class II MHC-peptide, for detection of CD4+ T cells, mouse study, 1885

Th1 lymphocytes

hepatitis C virus-associated mixed cryoglobulinemia vasculitis neuropathy and, 2917

lymphotoxin regulation of T cell response and autoimmunity in, 3202

Thiopurine methyltransferase, molecular mechanisms and variability in drug response, 1349

Third National Health and Nutrition Examination Survey (NHANES-III), uric acid levels and diet, 283

Thromboembolism, in SLE, incidence and risk factors, 2774 Thrombosis

antiphospholipid antibody-mediated, complement activation and, mouse study, 2120

APS, dermatologic manifestations of, 1785

APS, involvement of p38 MAPK in antiphospholipid antibodyinduced up-regulation of tissue factor on HUVECs, 1545

APS, platelet deposition on extracellular matrix under flow conditions, 4011

Behçet's disease, TNFRSF1A R92Q mutation and risk of venous thrombosis, 608, 2582

COX-2 inhibitors and, 1968

microparticles as regulators of inflammation, 3337

SLE, venous risk factors in LUMINA study patients, 2060

Thrombospondin, collagen-induced arthritis, thrombospondin 1 gene therapy for, rat study, 339

Thyroid disease, SLE, PTPN22 R620W polymorphism in families, 2396 Thyroid-stimulating hormone, in SLE, 3701

Tibiofemoral narrowing, OA, lateral view radiography for evaluating in. 3542

Tie2, collagen-induced arthritis, mouse study, 1585

Tissue factor, APS, involvement of p38 MAPK in antiphospholipid antibody-induced up-regulation of on HUVECs, 1545

Tissue inhibitor of metalloproteinases 1 (TIMP-1), SS, acinar damage and MMP-3/TIMP-1 and MMP-9/TIMP-1 imbalance and, 2751

Tissue plasminogen activator, APS, polyclonal and monoclonal antibodies against, 4018

T lymphocytes, RA, free radical production by in, 2003

TNFa blockade

bone-protective effects of anabolic treatment used with RANKL and, rat studies, 1604

humoral immunity and, 2192

prostaglandin E2 biosynthetic pathway and, 3439

RA, Fcy receptor type IIIA polymorphisms and treatment outcomes with, 2693

RA, nonresponse to anakinra after failure in, 364, 365

in RA and AS, comparative effectiveness, 2506

SpA, down-modulation of Toll-like receptor 2 and 4 in, 2146

RA, risk of tuberculosis in, 1986, 2968

reactivation of latent tuberculosis and, 1766

TNF receptor I, up-regulation of 52-kd Ro/SSA by TNFα via, 531

TNFR2, RA susceptibility in Caucasian population and, 2579

TNFRI gene, TRAPS-related mutants, 2906

TNFRSF1A gene, Behçet's disease, R92Q mutation and risk of venous thrombosis in, 608, 2582

Toes

POPP, 280, 2954

RA, sensitivity to change of MRI and radiography, 2300

Tolerance breaking, SLE, by dendritic cells without SLE disease expression, 225

Toll-like receptor 2

gouty inflammation and, mouse study, 2936

RA, expression of on CD64+ monocytes, 2227

SpA, down-modulation by TNF blockade in, 2146

Toll-like receptor 3

RA, expression of in synovium, 2313

RA, fibroblast activation by necrotic synovial fluid cells via, 2656 Toll-like receptor 4

gouty inflammation and, mouse study, 2936

RA, expression of on CD64+ monocytes, 2227

reactive arthritis and IL-6, mouse study, 2530

SpA, down-modulation by TNF blockade in, 2146

Toll-like receptor 7, RA, expression of in synovium, 2313 Toll-like receptors, reactive arthritis, 2233

Tophaceous gout, of symphysis pubis, 4082

Topoisomerase I

cleavage during necrotic cell death, cathepsins and, 2133

SSc, proteasome-dependent processing of, 877

Total knee arthroplasty, trends in epidemiology of in US 1990-2000, 3928

TP53 gene, RA, TP53 and apoptosis effects in, 1047

Transforming growth factor β (TGF β)

SSc, av \$5-mediated signaling in, 2897

SSc, p300 and profibrotic response to, 1248

Transforming growth factor β1 (TGFβ1), fibrosis, specific inhibition of SPARC and decreased expression of type I collagen, 257

Transforming growth factor β 2 (TGF β 2), effects on procollagen α 2 type I messenger RNA variants in embryonic fibroblasts, chicken study, 1804

Transient receptor potential vanille 11, in knee inflammation, mouse study, 3248

Transplantation. See Autologous stem cell transplantation (ASCT); Stem cell transplantation

Traumatic injury, anterior cruciate ligament, cartilage glycosaminoglycan loss in acute phase, gadolinium-enhanced MRI, 120

Tuberculosis

in RA, treated with infliximab, 1334

in RA, with anti-TNF treatment, 1986, 2968

TNF antagonists and reactivation of latent tuberculosis, 1766

Tumor necrosis factor (TNF)

alendronate-induced osteoclast death prevented by, mouse study,

RA, inhibition of conversion of dehydroepiandrosterone sulfate to dehydroepiandrosterone, 1721

regulation of myeloid cell function by, 451

Tumor necrosis factor α (TNF α)

ADAMTS-9 induced by inflammatory arthritides in, 1451

Behçet's disease, TNFRSF1A R29Q mutation and risk of venous thrombosis in, 608, 2582

C43S TRAPS mutation and induced signaling, 1287, 2952

collagen-induced arthritis, reversal of immunosuppressive properties of mesenchymal stem cells by, mouse study, 1595

OA, in cartilage matrix degradation and, 128

RA, proinflammatory cytokines and CYP7B expression and activity in fibroblast-like synoviocytes, 770

RA, regulation by butyrate in, 2697

RA, stimulation of IL-6 receptor shedding by, 84

RA, tuberculosis risk and, 1986, 2968

Tumor necrosis factor α (TNFα) (cont'd)

up-regulation of 52-kd Ro/SSA by TNFα via TNF receptor I, 531 Tumor necrosis factor receptor-associated periodic syndrome

(TRAPS)

effects of C43S mutation on TNF α -induced signaling, 1287, 2952 TNF receptor I mutants, 2906

Tumors, SLE and cancer, international cohort study, 1481

Turkish population, Behçet's disease, whole-genome screen for susceptibility genes in, 1836

Twin studies

hyperimmunoglobulinemia D with periodic fever syndrome, pseudodominant inheritance of, 3606

SSc, gene expression in, 3305

Type I interferon (IFN-I), Sle2-associated component lupus phenotypes, deficiency of, mouse study, 3063

Type II mixed cryoglobulinemia, chemokines and Th1 cytokines in hepatitis C virus-associated vasculitis neuropathy and, 2917

U

Ultrasonography

carpal tunnel syndrome, diagnostic value of in, 304

OA, acoustic properties of knee and ankle joint cartilage, 3125 RA assessment with, 681

RA, synovitis scoring system for finger joint inflammation, 733

Ultraviolet radiation cutaneous lupus erythematosus, amplification cycle triggering, 1504 generation of novel covalent RNA-protein complexes by ultraviolet B irradiation, 1160

United Kingdom

asporin polymorphism and OA etiology in, 3502

PsA, common genetic control pathways of inflammation for Crohn's disease and PsA, 3596

RA, SLC22A4 gene, no association with RA in, 752

Urate crystals. See Monosodium urate monohydrate

Urate transport, Dalmation defect, hepatic endocrinopathy of, 2257 Uric acid

diet and, 283

reduction in with sevelamer, 290

vitamin C supplementation and serum concentration, 1843

Urinary markers, OA and early RA, type II collagen helical peptide in, 1081

Uveitis

acute anterior uveitis, unique genetic region on chromosome 9p and, 269

AS, anti-TNF therapy in, 2447

Behçet's disease, infliximab efficacy for treatment-resistant uveitis in, 2478

V

Valdecoxib, cardiovascular events and, 1968

Valine/leucine polymorphism, APS, valine²⁴⁷ β₂-glycoprotein I and risk of, 212

Vasculitis

ANCA-associated, MTX vs. cyclophosphamide to induce remission, 2461

angiography-negative in primary CNS, in children, 2159

anti-endothelial cell antibodies in systemic autoimmune diseases and, 4028

APS, dermatologic manifestations of, 1785

chemokines and Th1 cytokines in hepatitis C virus-associated mixed cryoglobulinemia vasculitis neuropathy, 2917

in RA, 1620, 1621

refractory ANCA-associated vasculitis, B lymphocyte depletion for, 262

systemic, PEGylated IFN-alfa-2b and ribavirin, 911

Vasculitis (cont'd)

WG treatment with rituximab, B cells and ANCA, 1

Vasculitis-associated systemic autoimmune diseases, anti-endothelial cell antibodies in, 4028

Vasculopathy, juvenile DM, angiostatic ELR-CXC chemokines and vasculopathy in, 3175

Vasospasm, Afrin-induced in CNS, and thunderclap headache, 3314 Venous thrombosis

Behçet's disease, TNFRSF1A R92Q mutation and risk of, 608, 2582 SLE, risk factors for in LUMINA study patients, 2060

Vertebral fractures, in SLE patients and low BMD, 2044 Vitamin C, serum uric acid concentration and, 1843

Vitamin D, OA, supplementation and bisphosphonates, 1622, 1623

W

Wegener's granulomatosis (WG)

ANCA-associated vasculitis and, rituximab for, 1

ANCA-associated vasculitis, MTX vs. cyclophosphamide to induce remission, 2461

damage caused by, and treatment, 2168

MTX treatment for, 2237

PTPN22 620W allele as risk factor for, 4039

serum proteomic approach to gauging state of remission, 902

Weight. See Body weight

Weight loss, reduction of knee-joint load in knee OA in older obese adults and, 2026

Wnt-1-inducible signaling protein 3, JIA, polymorphisms and susceptibility to, 3548

Women. See also Pregnancy

in academic rheumatology, 694, 697

estrogen deprivation arthralgia and aromatase inhibitors, 2594 maternal antibody specificity and fetal congenital heart block, 3079 OA, association with knee height, knee pain, and, 1418

OA, cartilage loss on MRI and radiographic progression in knee OA, 3152

OA, COL1A1 polymorphism, and genetics in hip OA in elderly women, 1431

SLE, gonadotropin-releasing hormone analog for ovarian protection during cyclophosphamide treatment, 2761

SLE, influence of menopause in LUMINA study patients, 1655 SLE, maternal HLA class II compatibility in men with SLE, 2768

SLE, raloxifene for postmenopausal women with, 3997 SSc, X chromosome inactivation in, 1564, 3679

Work. See also Disability

RA, early suppression of disease activity and maintenance of work capacity, 36

Wrist

carpal tunnel syndrome, diagnostic value of sonography, 304 carpal tunnel syndrome, surgery vs. steroid injection in, 612, 2578

RA, age and OA at onset of symptoms, association with radiographic damage in, 2284

RA, Outcome Measures in Rheumatology Clinical Trials RAMRIS system, 3860

RA, predicting tendon rupture through MRI evidence, 744 RA, sensitivity to change of MRI and radiography, 2300 sarcoid arthritis, intraarticular etanercept treatment, 987

tuberculous rice bodies of, 1950

X

XCI mosaicism, SSc, X chromosome inactivation in women, 1564, 3679Xerostomia, BAFF and periodontal disease in patients with dry mouth, 2411

2

Zambia, HLA-B*5703 in HIV infection and SpA, 275 Ziff, Morris, In memoriam, 3323

